

## SOCS7 Polyclonal Antibody

|                              |                                                                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No :</b>          | YN1375                                                                                                                              |
| <b>Reactivity :</b>          | Human;Mouse                                                                                                                         |
| <b>Applications :</b>        | WB;ELISA                                                                                                                            |
| <b>Target :</b>              | SOCS7                                                                                                                               |
| <b>Fields :</b>              | >>JAK-STAT signaling pathway;>>Prolactin signaling pathway                                                                          |
| <b>Gene Name :</b>           | SOCS7 NAP4 SOCS6                                                                                                                    |
| <b>Protein Name :</b>        | Suppressor of cytokine signaling 7 (SOCS-7) (Nck, Ash and phospholipase C gamma-binding protein) (Nck-associated protein 4) (NAP-4) |
| <b>Human Gene Id :</b>       | 30837                                                                                                                               |
| <b>Human Swiss Prot No :</b> | O14512                                                                                                                              |
| <b>Mouse Swiss Prot No :</b> | Q8VHQ2                                                                                                                              |
| <b>Immunogen :</b>           | Synthesized peptide derived from part region of human protein                                                                       |
| <b>Specificity :</b>         | SOCS7 Polyclonal Antibody detects endogenous levels of protein.                                                                     |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                      |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG                                                                                                              |
| <b>Dilution :</b>            | WB 1:500-2000 ELISA 1:5000-20000                                                                                                    |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.               |
| <b>Concentration :</b>       | 1 mg/ml                                                                                                                             |
| <b>Storage Stability :</b>   | -15°C to -25°C/1 year(Do not lower than -25°C)                                                                                      |

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| <b>Observed Band :</b>        | 63kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Cell Pathway :</b>         | Jak_STAT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Background :</b>           | <p>domain:The SOCS box domain mediates the interaction with the Elongin BC complex, an adapter module in different E3 ubiquitin ligase complexes (By similarity). It is required for IRS1 ubiquitination and subsequent proteasomal degradation.,function:Regulates signaling cascades probably through protein ubiquitination and/or sequestration. Functions in insulin signaling and glucose homeostasis through IRS1 ubiquitination and subsequent proteasomal degradation. Inhibits also prolactin, growth hormone and leptin signaling by preventing STAT3 and STAT5 activation, sequestering them in the cytoplasm and reducing their binding to DNA. May be a substrate recognition component of a SCF-like E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.,induction:By IL6, prolactin and growth hormone.,pathway:Protein modification; protein ubiquitination.,sequence caution:Contaminating sequence. The N-terminus may be contaminated with vector sequence.,sequence caution:Translated as stop.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 SOCS box domain.,subunit:Interacts with phosphorylated IRS4 and PIK3R1 (By similarity). Interacts, via the third proline-rich region, with the second SH3 domain of the adapter protein NCK1. Also interacts with GRB2, INSR, IRS1, PLCG1, SORBS3/vinexin, and phosphorylated STAT3 and STAT5.,tissue specificity:Expressed in brain and leukocytes. Also in fetal lung fibroblasts and fetal brain.,</p> |
| <b>Function :</b>             | <p>domain:The SOCS box domain mediates the interaction with the Elongin BC complex, an adapter module in different E3 ubiquitin ligase complexes (By similarity). It is required for IRS1 ubiquitination and subsequent proteasomal degradation.,function:Regulates signaling cascades probably through protein ubiquitination and/or sequestration. Functions in insulin signaling and glucose homeostasis through IRS1 ubiquitination and subsequent proteasomal degradation. Inhibits also prolactin, growth hormone and leptin signaling by preventing STAT3 and STAT5 activation, sequestering them in the cytoplasm and reducing their binding to DNA. May be a substrate recognition component of a SCF-like E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.,induction:By IL6, prolactin and growth hormone.,pathway:Protein modification; prot</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Subcellular Location :</b> | <p>Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Nucleus. Mostly cytoplasmic, but shuttles between the cytoplasm and the nucleus. Rapidly relocates to the nucleus after UV irradiation. Cytoplasmic location depends upon SEPT7 presence.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Expression :</b>           | Expressed in brain and leukocytes. Also in fetal lung fibroblasts and fetal brain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Sort :</b>                 | 21755                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

**No4 :** 1

**Host :** Rabbit

**Modifications :** Unmodified

## Products Images