Best Tools for immunology Research

# OSM Polyclonal Antibody

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| **Catalog No :** | YT5913 |
| **Reactivity :** | Human;Rat;Mouse; |
| **Applications :** | IHC;IF;ELISA |
| **Target :** | OSM |
| **Fields :** | >>Cytokine-cytokine receptor interaction;>>PI3K-Akt signaling pathway;>>JAK-STAT signaling pathway |
| **Gene Name :** | OSM |
| **Protein Name :** | Oncostatin-M (OSM) |
| **Human Gene Id :** | 5008 |
| **Human Swiss Prot No :** | P13725 |
| **Mouse Gene Id :** | 18413 |
| **Mouse Swiss Prot No :** | P53347 |
| **Immunogen :** | Synthetic peptide from human protein at AA range: 50-100 |
| **Specificity :** | The antibody detects endogenous OSM |
| **Formulation :** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source :** | Polyclonal, Rabbit,IgG |
| **Dilution :** | IHC 1:50-200, ELISA 1:10000-20000. IF 1:50-200 |
| **Purification :** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Concentration :** | 1 mg/ml |

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Cell Pathway :** Cytokine-cytokine receptor interaction;Jak_STAT;

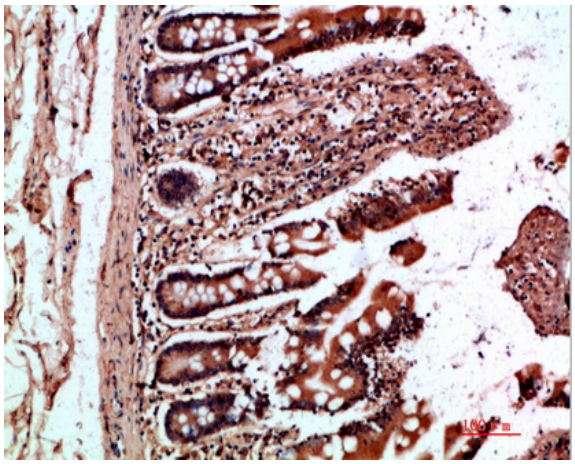
**Background :** This gene encodes a member of the leukemia inhibitory factor/oncostatin-M (LIF/OSM) family of proteins. The encoded preproprotein is proteolytically processed to generate the mature protein. This protein is a secreted cytokine and growth regulator that inhibits the proliferation of a number of tumor cell lines. This protein also regulates the production of other cytokines, including interleukin 6, granulocyte-colony stimulating factor and granulocyte-macrophage colony stimulating factor in endothelial cells. This gene and the related gene, leukemia inhibitory factor, also present on chromosome 22, may have resulted from the duplication of a common ancestral gene. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016],

**Function :** function:Growth regulator. Inhibits the proliferation of a number of tumor cell lines. Stimulates proliferation of AIDS-KS cells. It regulates cytokine production, including IL-6, G-CSF and GM-CSF from endothelial cells. Uses both type I OSM receptor (heterodimers composed of LIPR and IL6ST) and type II OSM receptor (heterodimers composed of OSMR and IL6ST).,similarity:Belongs to the LIF/OSM family.,

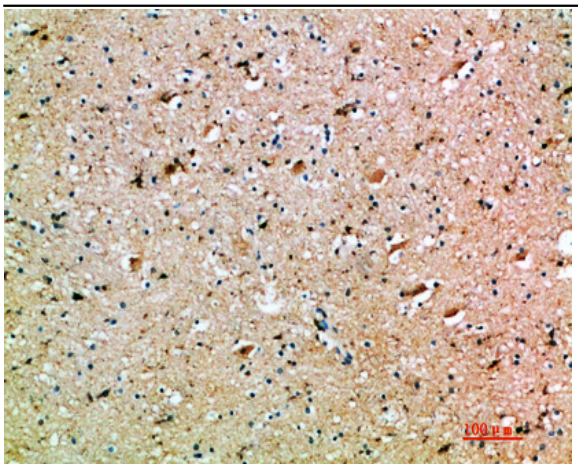
**Subcellular Location :** Secreted.

**Expression :** Lung,T-cell,

## Products Images



Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:200