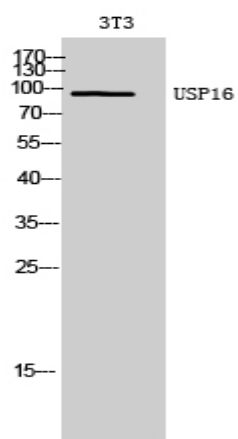


USP16 Polyclonal Antibody

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|------------------------------|---|
| Catalog No : | YT4831 |
| Reactivity : | Human;Mouse;Rat |
| Applications : | WB;ELISA |
| Target : | USP16 |
| Gene Name : | USP16 |
| Protein Name : | Ubiquitin carboxyl-terminal hydrolase 16 |
| Human Gene Id : | 10600 |
| Human Swiss Prot No : | Q9Y5T5 |
| Mouse Gene Id : | 74112 |
| Mouse Swiss Prot No : | Q99LG0 |
| Rat Gene Id : | 288306 |
| Rat Swiss Prot No : | Q2KJ09 |
| Immunogen : | Synthesized peptide derived from the Internal region of human USP16. |
| Specificity : | USP16 Polyclonal Antibody detects endogenous levels of USP16 protein. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications. |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

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| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Observed Band : | 93kD |
| Background : | <p>This gene encodes a deubiquitinating enzyme that is phosphorylated at the onset of mitosis and then dephosphorylated at the metaphase/anaphase transition. It can deubiquitinate H2A, one of two major ubiquitinated proteins of chromatin, in vitro and a mutant form of the protein was shown to block cell division. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],</p> |
| Function : | <p>catalytic activity:Ubiquitin C-terminal thioester + H(2)O = ubiquitin + a thiol.,disease:A chromosomal aberration involving USP16 is a cause of Chronic myelomonocytic leukemia. Inversion inv(21) (q21;q22) with RUNX1/AML1.,domain:The UBP-type zinc finger binds 3 zinc ions that form a pair of cross-braced ring fingers encapsulated within a third zinc finger in the primary structure. It recognizes the C-terminal tail of free ubiquitin.,function:Specifically deubiquitinates histone H2A, a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Deubiquitination of histone H2A is a prerequisite for subsequent phosphorylation at 'Ser-10' of histone H3, and is required for chromosome segregation when cells enter into mitosis. Regulates Hox gene expression via histone H2A deubiquitination. Prefers nucleosomal substrates. Does not deubiquitinate histone H2B.,PTM:Ph</p> |
| Subcellular Location : | Nucleus . |
| Expression : | Present in all the tissues examined including fetal brain, lung, liver, kidney, and adult heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. |
| Sort : | 24003 |
| No4 : | 1 |
| Host : | Rabbit |
| Modifications : | Unmodified |

Products Images



Western Blot analysis of 3T3 cells using USP16 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000