

USP16 Polyclonal Antibody

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.

Concentration : 1 mg/ml

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

Observed Band : 93kD

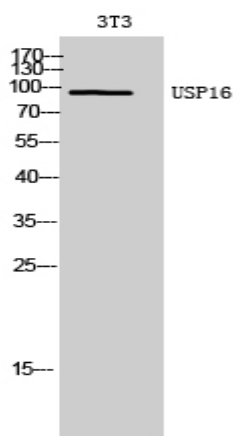
Background : This gene encodes a deubiquitinating enzyme that is phosphorylated at the onset of mitosis and then dephosphorylated at the metaphase/anaphase transition. It can deubiquitinate H2A, one of two major ubiquitinated proteins of chromatin, in vitro and a mutant form of the protein was shown to block cell division. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],

Function : 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

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.

Products Images



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