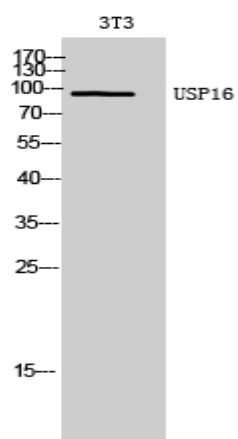


USP16 Polyclonal Antibody

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 :	<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