

Mouse Anti-USP14 antibody

SLM-51562M

Product Name	USP14
Chinese Name	双特异性磷酸酶抗体 14 单克隆抗体
Alias	Dual specificity phosphatase 14; Dual specificity protein phosphatase 14; DUS14_HUMAN; DUSP 14; DUSP14; DUSP14 protein; MAP kinase phosphatase 6; Mitogen activated protein kinase phosphatase 6; Mitogen-activated protein kinase phosphatase 6; MKP 1 like protein tyrosine phosphatase; MKP 6; MKP L; MKP-1-like protein tyrosine phosphatase; MKP-6; MKP-L; MKP1 like protein tyrosine phosphatase; MKP6; MKPL.
Research Area	Cell biology Signal transduction Kinases and Phosphatases Epigenetics
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	W4F2
React Species	Human, Mouse, Rat, WB=1:500-1000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	22kDa
Cellular localization	The nucleus cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	Recombinant human USP14 (His-tagged).
Lsotype	IgG1
Purification	affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

[PubMed](#)

This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitylated proteins. Mice with a mutation that results in reduced expression of the ortholog of this protein are retarded for growth, develop severe tremors by 2 to 3 weeks of age followed by hindlimb paralysis and death by 6 to 10 weeks of age. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Function:

Involved in the inactivation of MAP kinases. Dephosphorylates ERK, JNK and p38 MAP-kinases.

Similarity:

Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily.

Contains 1 tyrosine-protein phosphatase domain.

Product Detail

SWISS:

O95147

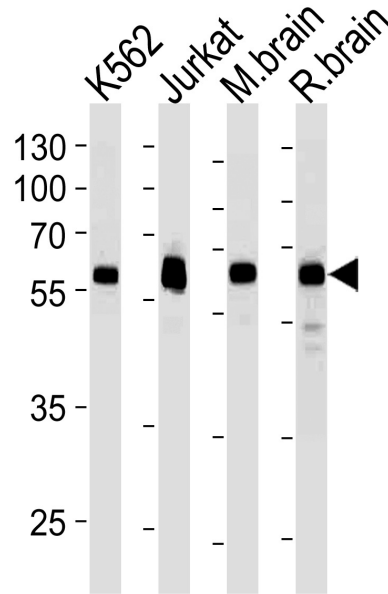
Gene ID:

11072

Database links:

[Entrez Gene: 11072](#) Human

[SwissProt: O95147](#) Human



Product Picture

Sample:

Lane 1: K562 cell lysates

Lane 2: Jurkat cell lysates

Lane 3: Mouse brain tissue lysates

Lane 4: Rat brain tissue lysates

Primary: Anti-USP14 (SLM-51562M) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 22 kD

Observed band size: 57 kD