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USP14 Recombinant Rabbit mAb

Catalog # AP100012

Product Information

Application	WB
Primary Accession	O95147
Other Accession	O95147
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	22255
Physical State	Liquid
Immunogen	A synthesized peptide derived from human USP14
Epitope Specificity	350-494/494
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
SIMILARITY	Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily. Contains 1 tyrosine-protein phosphatase domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Ubiquitin-Specific Protease 14, which is also known as the 60 kDa subunit of tRNA-guanine transglycosylase (USP14/TGT60 kDa). USP14 is recruited to the proteasome through its reversible association with the PSMD2 (S2/hRPN1) subunit of the 19S regulatory particle. Whereas PSMD14 appears to promote substrate degradation, USP14 is thought to antagonize substrate degradation.

Additional Information

Gene ID	11072
Other Names	MKP-L; MKP6; DUS14_HUMAN; DUSP14; MKP-1-like protein tyrosine phosphatase (MKP-L); Mitogen-activated protein kinase phosphatase 6 (MAP kinase phosphatase 6 | MKP-6); 3.1.3.16; 3.1.3.48; ubiquitin specific peptidase 14; ubiquitin specific protease 14 (tRNA-guanine transglycosylase); ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)
Dilution	WB=1:1000-2000,ICC/IF=1:100-200,Flow-Cyt=1:100-200
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DUSP14
Synonyms	MKP6
Function	Involved in the inactivation of MAP kinases. Dephosphorylates ERK, JNK and p38 MAP-kinases. Plays a negative role in TCR signaling by dephosphorylating MAP3K7 adapter TAB1 leading to its inactivation (PubMed:24403530).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.