

DUSP14 Rabbit pAb

Catalog # AP99536

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O95147
Other Accession	O95147
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22255
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DUSP14
Epitope Specificity	1-100/198
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% 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	Dual-specificity phosphatases (DUSPs) constitute a large heterogeneous subgroup of the type I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. They have been implicated as major modulators of critical signaling pathways. DUSP14 contains the consensus DUSP C-terminal catalytic domain but lacks the N-terminal CH2 domain found in the MKP (mitogen-activated protein kinase phosphatase) class of DUSPs (see MIM 600714) (summary by Patterson et al., 2009 [PubMed 19228121]).[supplied by OMIM, Dec 2009]

Additional Information

Gene ID	11072
Other Names	MKP-L; MKP6; 1110014C10Rik; 2310042C07Rik; D11Ert395e; Dusp14l2; DUS14_BOVIN; DUSP14; 3.1.3.16; 3.1.3.48; DUS14_HUMAN; MKP-1-like protein tyrosine phosphatase (MKP-L); Mitogen-activated protein kinase phosphatase 6 (MAP kinase phosphatase 6 MKP-6); Q7TPY1_MOUSE; DUS14_MOUSE; dual specificity phosphatase 14; MKP-1 like protein tyrosine phosphatase
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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'.