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DUSP14 Rabbit pAb

Catalog # AP99536

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O95147
Other Accession	O95147
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog, Horse
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; D11Ertd395e; 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=1:5000-10000
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'.