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DUSP2 Rabbit pAb

Catalog # AP97823

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q05923
Other Accession	Q05923
Predicted	Rat, Human, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34400
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DUSP2
Epitope Specificity	201-314/314
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 rhodanese domain. 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	DUSP2 is a dual-specific thr/tyr phosphatase that is a physiologically relevant MAP kinase phosphatase. The gene is located on 2q11.2-q11 and contains 4 exons that span approximately 2.3kb. Under specific stress conditions, p53 regulates transcription of PAC1 through a new p53-binding site, and that PAC1 is necessary and sufficient for p53-mediated apoptosis.

Additional Information

Gene ID	1844
Other Names	PAC-1; PAC1; DUSP2_HUMAN; DUSP2; Dual specificity protein phosphatase PAC-1; 3.1.3.16; 3.1.3.48; DUSP2_MOUSE; dual specificity phosphatase 2
Dilution	IHC-P=1:100-500,IHC-F=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	DUSP2 (HGNC:3068)

Synonyms	PAC1
Function	Dephosphorylates both phosphorylated Thr and Tyr residues in MAPK1, and dephosphorylation of phosphotyrosine is slightly faster than that of phosphothreonine (PubMed:8107850). Can dephosphorylate MAPK1 (By similarity).
Cellular Location	Nucleus.
Tissue Location	Expressed in hematopoietic tissues.

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