

DUSP2 Rabbit pAb

Catalog # AP97823

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q05923
Other Accession	Q05923
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'.