

DUSP11 Rabbit pAb

Catalog # AP98594

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O75319
Other Accession	O75319
Predicted	Rat, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38939
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DUSP11
Epitope Specificity	21-120/330
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.
SUBUNIT	Monomer. Interacts with DNAJB6 (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which is associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product is localized to the nucleus and binds directly to RNA and splicing factors, and thus it is suggested to participate in nuclear mRNA metabolism. [provided by RefSeq, Sep 2008]

Additional Information

Gene ID	8446
Other Names	PIR1; 2010300F21Rik; DUS11_HUMAN; DUSP11; Dual specificity protein phosphatase 11; Phosphatase that interacts with RNA/RNP complex 1; 3.1.3.-; DUS11_MOUSE; DUS11_RAT; dual specificity phosphatase 11; dual specificity phosphatase 11 (RNA/RNP complex 1-interacting); RNA/RNP complex 1-interacting
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.
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Protein Information

Name	DUSP11 (HGNC:3066)
Synonyms	PIR1
Function	Possesses RNA 5'-triphosphatase and diphosphatase activities, but displays a poor protein-tyrosine phosphatase activity. In addition, has phosphatase activity with ATP, ADP and O-methylfluorescein phosphate (in vitro). Binds to RNA. May participate in nuclear mRNA metabolism.
Cellular Location	Nucleus. Nucleus speckle

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