



Rabbit Anti-DUSP6 antibody

SL11546R

Product Name:	DUSP6
Chinese Name:	双特异性蛋白磷酸酶6/丝裂原活化蛋白激酶磷酸酶3抗体
Alias:	Dual specificity phosphatase 6; Dual specificity phosphatase 6 isoform a; Dual specificity protein phosphatase 6; Dual specificity protein phosphatase PYST1; DUS6_HUMAN; DUSP 6; DUSP 6a; Dusp6; DUSP6a; MAP kinase phosphatase 3; Mitogen activated protein kinase phosphatase 3; Mitogen-activated protein kinase phosphatase 3; MKP 3; MKP-3; MKP3; PYST 1; PYST1; Serine/threonine specific protein phosphatase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	42kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DUSP6:311-381/381
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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 are 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 inactivates ERK2, is expressed in a variety of tissues with the highest levels in heart and pancreas, and unlike most other members of this family, is localized in the cytoplasm. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Function:

Inactivates MAP kinases. Has a specificity for the ERK family.

Subcellular Location:

Cytoplasm.

Similarity:

Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily.

Contains 1 rhodanese domain.

Contains 1 tyrosine-protein phosphatase domain.

SWISS:

Q16828

Gene ID:

1848

Database links:

[Entrez Gene: 1848](#) Human

[Entrez Gene: 67603](#) Mouse

[Entrez Gene: 116663](#) Rat

[Omim: 602748](#) Human

[SwissProt: Q16828](#) Human

[SwissProt: Q9DBB1](#) Mouse

[SwissProt: Q64346](#) Rat

[Unigene: 298654](#) Human

[Unigene: 1791](#) Mouse

[Unigene: 4313](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

www.sunlongbiotech.com