



Rabbit Anti-DUSP2 antibody

SL7609R

Product Name:	DUSP2
Chinese Name:	双特异性磷酸酶2抗体
Alias:	Dual specificity phosphatase 2; Dual specificity protein phosphatase 2; Dual specificity protein phosphatase PAC 1; DUSP 2; PAC 1; PAC1; Serine/threonine specific protein phosphatase; DUS2 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	34kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DUSP2:201-314/314
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:	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.

Function:

Regulates mitogenic signal transduction by dephosphorylating both Thr and Tyr residues on MAP kinases ERK1 and ERK2.

Subcellular Location:

Nucleus.

Tissue Specificity:

Expressed in hematopoietic tissues.

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:

Q05923

Gene ID:

1844

Database links:

[Entrez Gene: 1844](#)Human

[Entrez Gene: 13537](#)Mouse

[Omim: 603068](#)Human

[SwissProt: Q05923](#)Human

[SwissProt: Q05922](#)Mouse

[Unigene: 1183](#)Human

[Unigene: 4729](#)Mouse

Important Note:

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