SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-DUSP6 antibody

SL20457R

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.
Research Area	Neurobiology Signal transduction Kinases and Phosphatases
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse, Rat, (predicted: Human, Cow, Horse, Rabbit,)
Applications	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	42kDa
Cellular localization	cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human DUSP6: 51-150/381
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 1M PBS, pH 7.4
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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

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SwissProt: Q9DBB1 Mouse

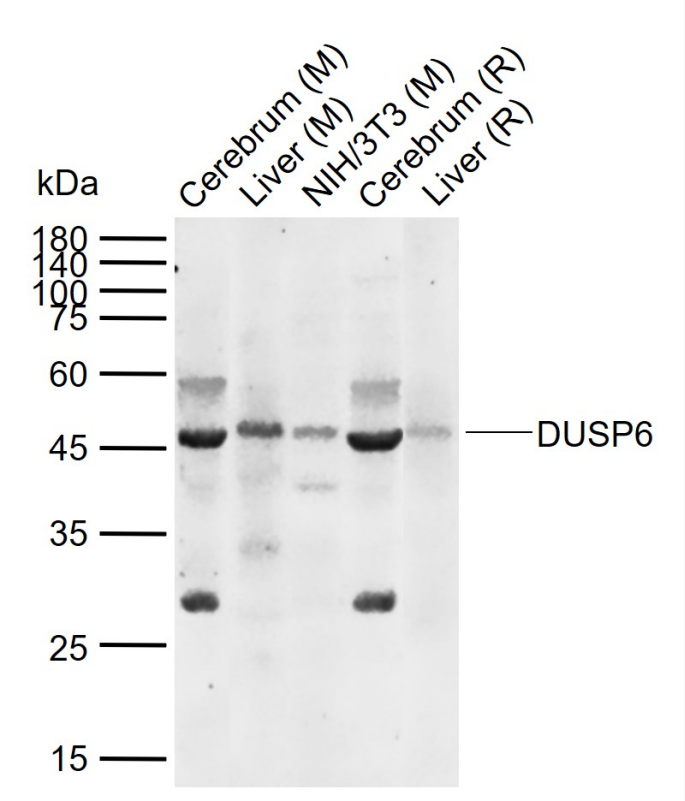
SwissProt: Q64346 Rat

Unigene: 298654 Human

Unigene: 1791 Mouse

Unigene: 4313 Rat

Product Picture



Sample:

Lane 1: Mouse Cerebrum tissue lysates

Lane 2: Mouse Liver tissue lysates

Lane 3: Mouse NIH/3T3 cell lysates

Lane 4: Rat Cerebrum tissue lysates

Lane 5: Rat Liver tissue lysates

Primary: Anti- DUSP6 (SL20457R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 42 kDa

Observed band size: 46 kDa