SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-DUSP6 antibody

Catalog Number: SL11546R

FOR RESEARCH USE ONLY

[DATASHEET]

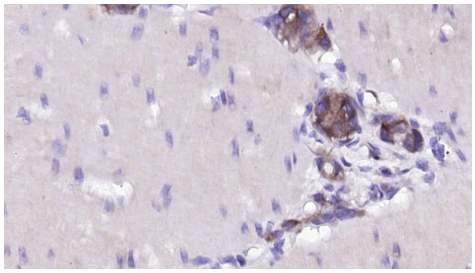
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DUSP6
Immunogen:	KLH conjugated synthetic peptide derived from human DUSP6: 311-381/381
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, (predicted: Mouse, Rat, Dog, Cow, Horse, Rabbit)
Predicted MW.:	42kDa
Subcellular Location:	cytoplasmic
Background:	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

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	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. **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

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DUSP6) Polyclonal Antibody, Unconjugated (SL11546R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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