SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-DUSP11 antibody

Catalog Number: SL14492R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DUSP11
Immunogen:	KLH conjugated synthetic peptide derived from human DUSP11: 21-120/330
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 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Rabbit)
Predicted MW.:	39kDa
Subcellular Location:	The nucleus
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 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

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	nuclear mRNA metabolism. [provided by RefSeq, Sep 2008] **Function:** Possesses RNA 5'-triphosphatase and diphosphatase activities, but displays a poor protein-tyrosine phosphatase activity. Binds to RNA. May participate in nuclear mRNA metabolism. **Subcellular Location:** Nucleus. **Similarity:** Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily. Contains 1 tyrosine-protein phosphatase domain. **Database links:** **Entrez Gene:** 8446 Human **Entrez Gene:** 72102 Mouse **Entrez Gene:** 297412 Rat Omim: 603092 Human **SwissProt:** O75319 Human **SwissProt:** Q6NXK5 Mouse **SwissProt:** Q4KM79 Rat **Unigene:** 14611 Human **Unigene:** 24007 Mouse **Unigene:** 24649 Rat

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