SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-DUSP9 antibody

Catalog Number: SL14461R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DUSP9
Immunogen:	KLH conjugated synthetic peptide derived from human DUSP9: 301-384/384
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:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Dog,Cow,Horse,Sheep)
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 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 shows selectivity for members of the ERK family of MAP kinases, is expressed only in placenta, kidney, and fetal liver, and is localized to the cytoplasm and nucleus. [provided by RefSeq, Jul 2008] **Function:** Inactivates MAP kinases. Has a specificity for the ERK family. **Subcellular Location:** Cytoplasm.

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

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	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:** 1852 Human **Entrez Gene:** 614306 Cow **Entrez Gene:** 75590 Mouse **Entrez Gene:** 293847 Rat Omim: 300134 Human **SwissProt:** Q99956 Human **Unigene:** 144879 Human **Unigene:** 16479 Mouse **Unigene:** 100548 Rat

[VALIDATION IMAGES]

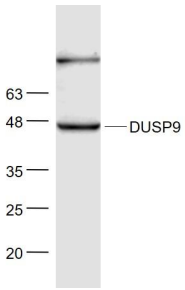


Figure 1. Sample: Kidney (Mouse) Lysate at 40 ug Primary: Anti- DUSP9 (SL14461R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42 kD Observed band size: 46 kD

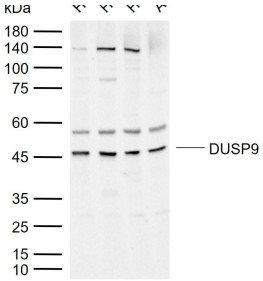


Figure 2. Sample: Lane 1: Human HepG2 cell lysates Lane 2: Human Huh7 cell lysates Lane 3: Human HeLa cell lysates Lane 4: Human A431 cell lysates Primary: Anti-DUSP9 (SL14461R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42 kDa Observed band size: 46 kDa

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