

For Research Use Only

DUSP19 Recombinant antibody

Catalog Number: 86354-1-RR



Basic Information

| | | | | | |
|---------------------------|---|---------------------------|---------------------------------|------------------------|------------------------|
| Catalog Number: | 86354-1-RR | GenBank Accession Number: | BC035000 | Purification Method: | Protein A purification |
| Size: | 100ul, Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): | 142679 | CloneNo.: | 251021A12 |
| Source: | Rabbit | UNIPROT ID: | Q8WTR2 | Recommended Dilutions: | WB: 1:2000-1:10000 |
| Isotype: | IgG | Full Name: | dual specificity phosphatase 19 | | |
| Immunogen Catalog Number: | AG3611 | Calculated MW: | 217 aa, 24 kDa | | |
| | | Observed MW: | 26 kDa | | |

Applications

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|----------------------|--------------|--------------------|---|
| Tested Applications: | WB, ELISA | Positive Controls: | WB: U2OS cells, mouse pancreas tissue, HepG2 cells, HuH-7 cells |
| Species Specificity: | human, mouse | | |

Background Information

DUSP19 (Dual-Specificity Phosphatase 19), also known as SKRP1, LMW-DSP3, or SAPK pathway-regulating phosphatase 1, is a low-molecular-weight member of the dual-specificity phosphatase family. It is encoded on human chromosome 2q32 and expressed in multiple tissues, with the highest levels found in the pancreas and heart. Structurally, DUSP19 contains a conserved catalytic domain that removes phosphate groups from both phospho-tyrosine and phospho-serine/threonine residues, enabling it to negatively or positively regulate MAPK signaling.

Storage

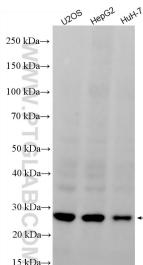
Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

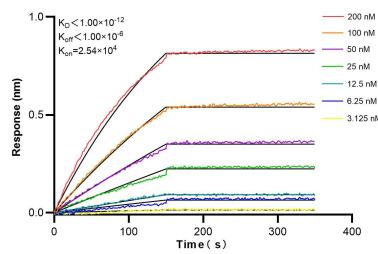
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86354-1-RR (DUSP19 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86354-1-RR against Human DUSP19 were performed. The affinity constant is below 1 pM.