

For Research Use Only

# DUSP19 Recombinant antibody

Catalog Number: 86354-1-RR



## Basic Information

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

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : U2OS cells, mouse pancreas tissue, HepG2 cells, HuH-7 cells
<b>Species Specificity:</b> 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

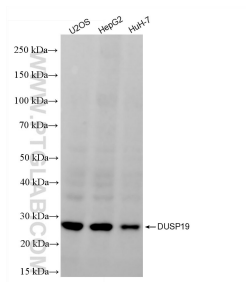
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

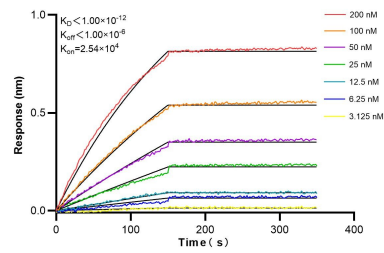
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## Selected Validation Data



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.