

For Research Use Only

# DUSP12 Polyclonal antibody

Catalog Number: 15667-1-AP

Featured Product



## Basic Information

### Catalog Number:

15667-1-AP

### Size:

150ul, Concentration: 230 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8131

### GenBank Accession Number:

BC006286

### GeneID (NCBI):

11266

### Full Name:

dual specificity phosphatase 12

### Calculated MW:

370 aa, 43 kDa

### Observed MW:

35 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: HeLa cells,

IHC: mouse brain tissue, mouse embryo tissue, mouse kidney tissue

## Background Information

DUSP12 (Dual specificity protein phosphatase 12) belongs to the protein-tyrosine phosphatase family and non-receptor class dual specificity subfamily. DUSP12 is a kind of dual specificity phosphatase. It can dephosphorylate both phosphotyrosine and phosphoserine or phosphothreonine residues and can dephosphorylate glucokinase in vitro (PMID:10446167). In addition, DUSP12 has phosphatase activity with the synthetic substrate 6,8-difluoro-4-methylumbelliferyl phosphate and other in vitro substrates (PMID:24531476). DUSP12 is ubiquitously expressed in spleen, testis, ovary, and peripheral blood leukocytes and lower expression in liver and lung.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

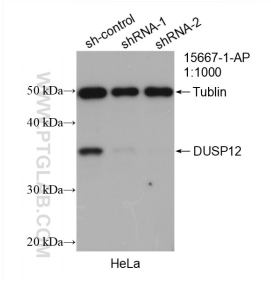
For technical support and original validation data for this product please contact:

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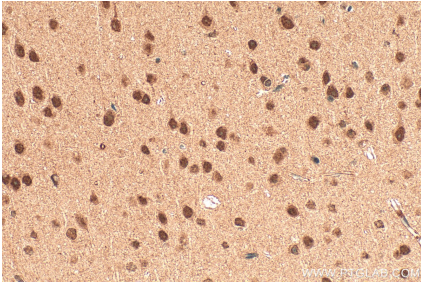
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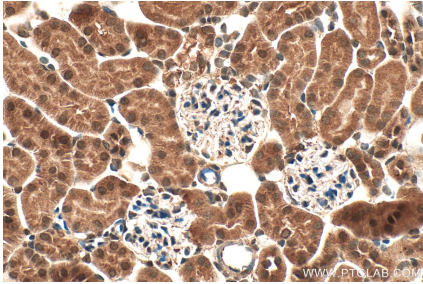
Selected Validation Data



WB result of DUSP12 antibody (15667-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DUSP12 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15667-1-AP (DUSP12 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 15667-1-AP (DUSP12 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).