

For Research Use Only

DUSP12 Polyclonal antibody

Catalog Number: 15667-1-AP

Featured Product



Basic Information

Catalog Number:

15667-1-AP

Concentration:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8131

GenBank Accession Number:

BC006286

GeneID (NCBI):

11266

UNIPROT ID:

Q9UNI6

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:

WB, IHC, 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

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

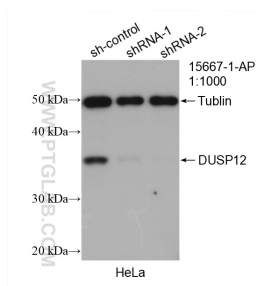
T: 4006900926

E: Proteintech-CN@ptglab.com

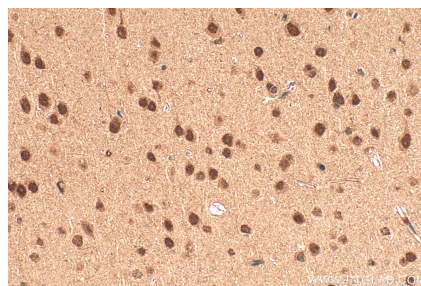
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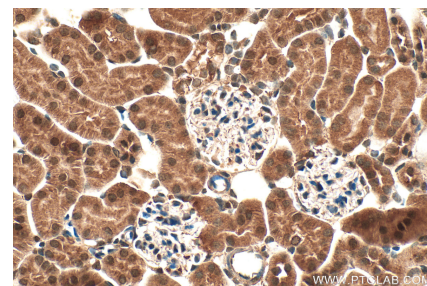
Selected Validation Data



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).