

For Research Use Only

DUSP5 Polyclonal antibody

Catalog Number: 30256-1-AP



Basic Information

Catalog Number:

30256-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32997

GenBank Accession Number:

NM_004419

GeneID (NCBI):

1847

UNIPROT ID:

Q16690

Full Name:

dual specificity phosphatase 5

Calculated MW:

42kd

Observed MW:

42 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human

Positive Controls:

WB : A549 cells, HCT 116 cells

IP : A549 cells,

Background Information

DUSP5 (Dual specificity protein phosphatase 5) is also named as VH3. DUSP5, a member of DUSPs superfamily, is located in the nucleus and plays crucially regulatory roles in the signaling pathway transduction (PMID: 34169608). DUSP5 promotes the osteogenic differentiation of mesenchymal stromal cells (MSCs) by repressing SMAD1 signaling pathway in a SCP1/2 - dependent manner (PMID: 34169608). DUSP5, which specifically dephosphorylates extracellular signal-regulated kinase (ERK1/2), blocks pulmonary vascular smooth muscle cell proliferation (PMID: 34142888). DUSP5, an ERK1/2-specific endogenous phosphatase, was expressed at low levels in CRC (PMID: 36526622). DUSP5, a member of the DUSP subfamily, is known to regulate cellular inflammation (PMID: 33361528).

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:

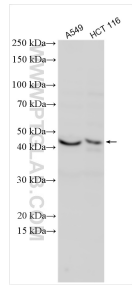
T: 4006900926

E: Proteintech-CN@ptglab.com

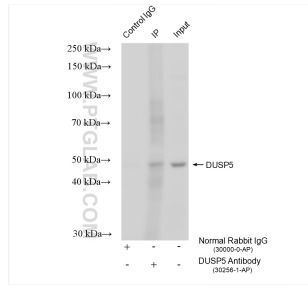
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30256-1-AP (DUSP5 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP result of anti-DUSP5 (IP:30256-1-AP, 4ug; Detection:30256-1-AP 1:500) with A549 cells lysate 1200 ug.