

For Research Use Only

# SH2D3C Polyclonal antibody

Catalog Number: 12882-1-AP **1 Publications**



## Basic Information

**Catalog Number:**

12882-1-AP

**Size:**

900 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3887

**GenBank Accession Number:**

BC027962

**GeneID (NCBI):**

10044

**UNIPROT ID:**

Q8N5H7

**Full Name:**

SH2 domain containing 3C

**Calculated MW:**

94 kDa, 86 kDa, 77 kDa

**Observed MW:**

77 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2400

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

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

IP, WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

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:** HEK-293 cells, human brain tissue, human placenta tissue

**IP:** mouse brain tissue,

**IHC:** human breast cancer tissue,

## Background Information

SH2 domain-containing protein 3C (SH2D3C, or NSP3) gene encodes an adaptor protein and member of a cytoplasmic protein family involved in cell migration. The encoded protein was identified as an Eph receptor-binding protein which may be a positive regulator of TCR signaling (PMID: 10542222). SH2D3C is an adaptor protein that has been implicated in T cell activation and shown to associate with different components of the integrin signaling pathway ex vivo, moreover, its primary in vivo role of Sh2d3c in regulating B cell development and function has also been demonstrated (PMID: 20505138). SH2D3C has 6 isoforms with MW 94, 86, 77 and 55 kDa (refer to UniProt).

## Notable Publications

Author	Pubmed ID	Journal	Application
Fujiya Gomi	29966723	Neuroscience	WB,IP

## 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

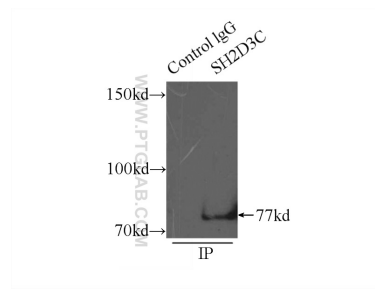
W: ptgcn.com

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

## Selected Validation Data

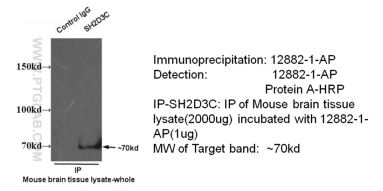


HEK-293 cells were subjected to SDS PAGE followed by western blot with 12882-1-AP (SH2D3C antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.

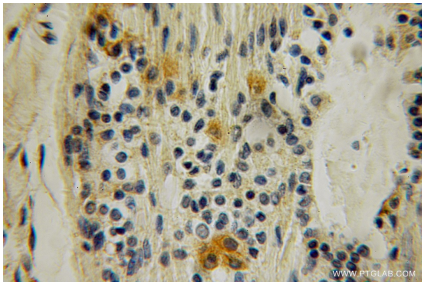


IP result of anti-SH2D3C (IP:12882-1-AP, 3ug; Detection:12882-1-AP 1:500) with mouse brain tissue lysate 6000ug.

IP & WB of 12882-1-AP with Mouse brain tissue



IP result of SH2D3C antibody (12882-1-AP for IP and Detection) with mouse brain tissue lysate.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 12882-1-AP (SH2D3C antibody) at dilution of 1:100 (under 10x lens).