

For Research Use Only

# TPD52L2 Polyclonal antibody

Catalog Number: 11795-1-AP

Featured Product

8 Publications



## Basic Information

**Catalog Number:**

11795-1-AP

**Size:**

900 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2364

**GenBank Accession Number:**

BC006804

**GeneID (NCBI):**

7165

**UNIPROT ID:**

O43399

**Full Name:**

tumor protein D52-like 2

**Calculated MW:**

206 aa, 22 kDa

**Observed MW:**

25-30 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

IHC 1:50-1:500

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

WB, IP, IF, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**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, mouse brain tissue, rat brain tissue, MCF-7 cells

**IP:** HEK-293 cells,

**IHC:** human breast cancer tissue,

**IF:** HepG2 cells,

## Background Information

Tumor protein D52-like proteins (TPD52) are small coiled-coil motif bearing proteins that were first identified in breast carcinoma. Three human TPD52 members had been identified, named hD52 (TPD52), hD53 (TPD52L1), and hD54 (TPD52L2). The most important characteristic of the protein family is a highly conserved coiled-coil motif that is required for homo- and heteromeric interaction with other TPD52-like proteins. TPD52 and related proteins have been implicated in cell proliferation, apoptosis, and vesicle trafficking. TPD52L2 has five isoforms produced by alternative splicing, and its multiple sites have been identified to be phosphorylated. Interaction of TPD52L2 with MAL2, a novel member of the MAL proteolipid family, may be required for the role of TPD52L2 in vesicle transport.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ligang Ren	29250174	Oncol Lett	WB
Kosuke Kato	28339026	Int J Oncol	WB,IHC,IP
Antoine Reynaud	35714773	J Biol Chem	IF

## 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:

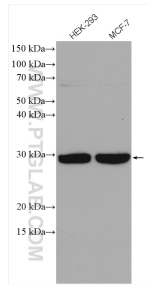
T: 4006900926

E: Proteintech-CN@ptglab.com

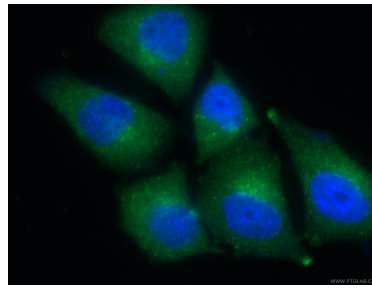
W: ptgcn.com

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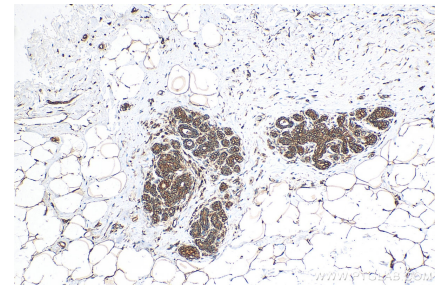
## Selected Validation Data



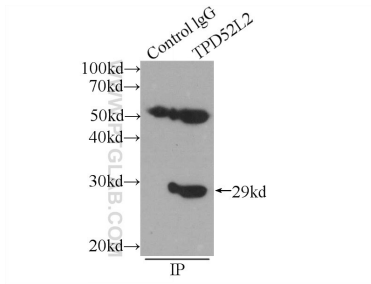
Various lysates were subjected to SDS PAGE followed by western blot with 11795-1-AP (TPD52L2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 11795-1-AP (TPD52L2 antibody), at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11795-1-AP (TPD52L2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-TPD52L2 (IP:11795-1-AP, 3ug; Detection:11795-1-AP 1:800) with HEK-293 cells lysate 2400ug.