

For Research Use Only

# TAGLN3 Polyclonal antibody

Catalog Number: 12246-1-AP

1 Publications



## Basic Information

**Catalog Number:**

12246-1-AP

**Size:**

150ul, Concentration: 450 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2891

**GenBank Accession Number:**

BC015329

**GeneID (NCBI):**

29114

**UNIPROT ID:**

Q9UI15

**Full Name:**

transgelin 3

**Calculated MW:**

22.4 kDa

**Observed MW:**

22.4 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

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

IHC 1:20-1:200

## Applications

**Tested Applications:**

WB, IP, IHC, ELISA

**Cited Applications:**

IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

mouse

**Positive Controls:**

WB : mouse brain tissue,

IP : mouse brain tissue,

IHC : human brain tissue,

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

## Background Information

The transgelin family is a group of proteins that belong to 22 kDa actin-related corpnin superfamily. Of all three isoforms, transgelin 1 is the best characterized. Transgelin 1, also known as SM22 alpha, is a specific marker for differentiated smooth muscle cells. Transgelin 2, also known as SM22 beta, is expressed by both smooth muscle and non-smooth muscle cells in a temporally and spatially regulated pattern. Transgelin 3, also known as NP25, is only found in highly differentiated neuronal cells. This antibody was generated against full length transgelin 3 protein. It may cross-react with other two transgelins based on the sequence similarity.

## Notable Publications

Author	Pubmed ID	Journal	Application
Arpad Palfi	27527066	Sci Rep	IHC

## 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

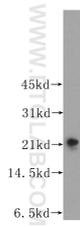
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

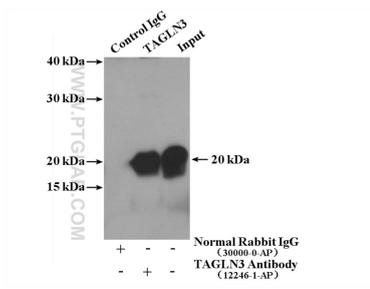
E: proteintech@ptglab.com  
W: ptglab.com

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

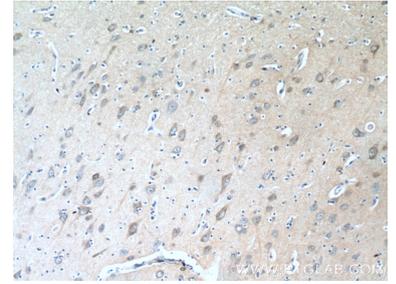
## Selected Validation Data



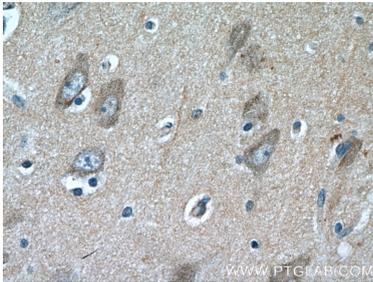
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12246-1-AP (TAGLN3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP result of anti-TAGLN3 (IP:12246-1-AP, 4ug; Detection:12246-1-AP 1:2000) with mouse brain tissue lysate 3160 ug.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 12246-1-AP (TAGLN3 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 12246-1-AP (TAGLN3 Antibody) at dilution of 1:200 (under 40x lens).