

# TAGLN3 Polyclonal antibody

Catalog Number: 12246-1-AP

1 Publications

## Basic Information

## Catalog Number:

12246-1-AP

## Size:

450 µg/ml

## 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 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:

IHC

## Species Specificity:

human, mouse, rat

## Cited Species:

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 : mouse brain tissue,

IP : mouse brain tissue,

IHC : human brain tissue,

## 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

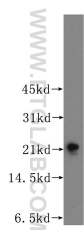
For technical support and original validation data for this product please contact:

T: 4006900926

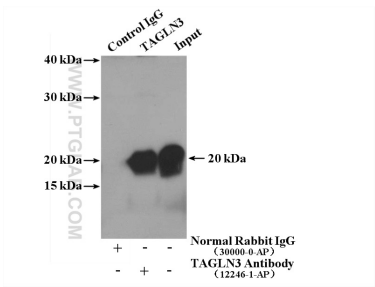
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

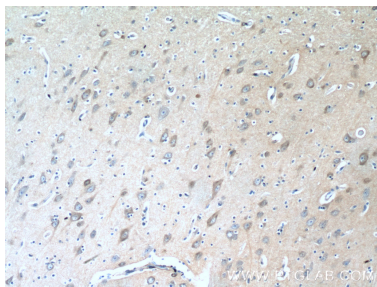
Selected Validation Data



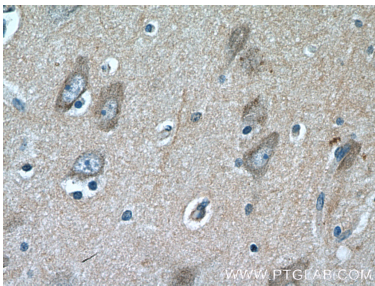
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12246-1-AP (TAGLN3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



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).