

For Research Use Only

TAGLN3 Polyclonal antibody

Catalog Number: 12246-1-AP **1 Publications**



Basic Information

Catalog Number: 12246-1-AP	GenBank Accession Number: BC015329	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 29114	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
Source: Rabbit	UNIPROT ID: Q9UI15	
Isotype: IgG	Full Name: transgelin 3	
Immunogen Catalog Number: AG2891	Calculated MW: 22.4 kDa	
	Observed MW: 22.4 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : mouse brain tissue, IP : mouse brain tissue, IHC : human brain tissue,
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	

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:

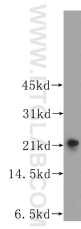
T: 4006900926

E: Proteintech-CN@ptglab.com

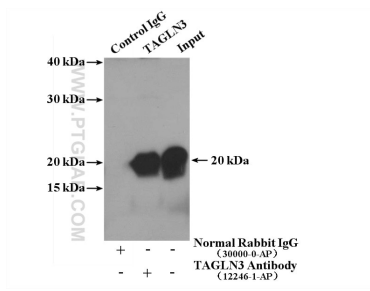
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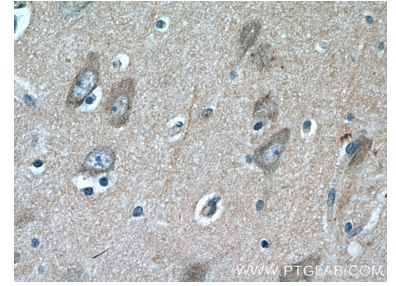
Selected Validation Data



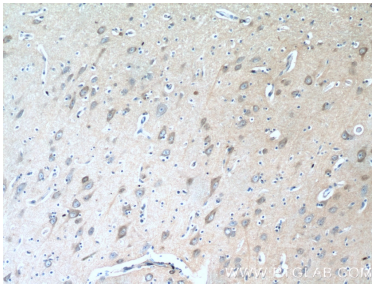
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12246-1-AP (TAGLN3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



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 40x lens).



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