

For Research Use Only

Brevican Polyclonal antibody

Catalog Number: 19017-1-AP



Basic Information

Catalog Number: 19017-1-AP	GenBank Accession Number: BC010571	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 63827	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q96GW7	
Isotype: IgG	Full Name: brevican	
Immunogen Catalog Number: AG13552	Calculated MW: 99 kDa	
	Observed MW: 145 kDa, 72kDa, 80 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : human brain tissue, COLO 320 cells, SH-SY5Y cells, Y79 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human cerebellum tissue, mouse brain tissue

Background Information

Brevican is a brain-specific proteoglycan belonging to the aggrecan family that share a number of structural features. Brevican contains a hyaluronic acid-binding domain in its N-terminus and a lectin-like domain in its C-terminus. Expression of brevican is highly specific in the brain and increases as the brain develops. It may play a role in maintaining the extracellular environment of mature brain as a major constituent of the adult brain extracellular matrix (PMID:9117262). Brevican core protein exists as a 145 kDa full-length form and a 80 kDa N terminally truncated form (PMID: 8144512). This antibody can recognize the 72 kDa isoform of target.

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

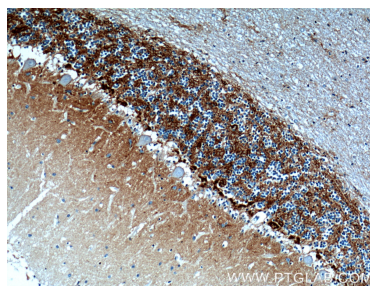
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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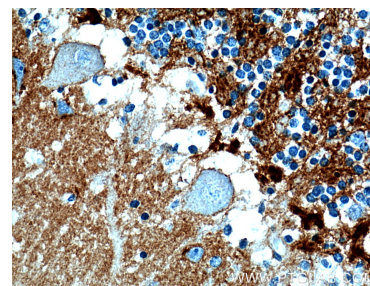
Selected Validation Data



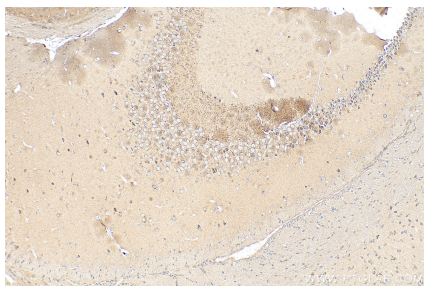
human brain tissue were subjected to SDS PAGE followed by western blot with 19017-1-AP (Brevican antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 19017-1-AP (Brevican antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 19017-1-AP (Brevican antibody at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19017-1-AP (Brevican antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).