

For Research Use Only

# Brevican Polyclonal antibody

Catalog Number: 19017-1-AP

1 Publications



## Basic Information

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

## Applications

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

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lindsay E Rexrode	38355786	Mol Psychiatry	

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

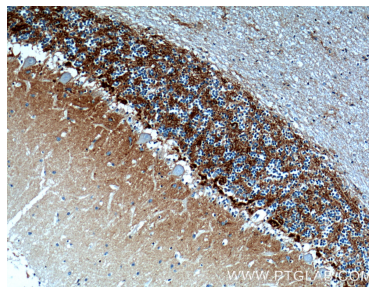
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

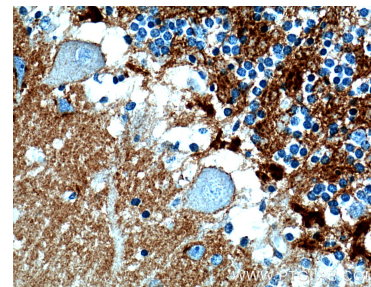
## Selected Validation Data



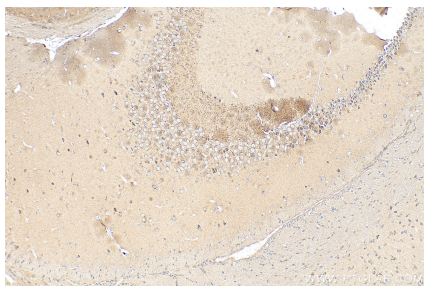
human brain tissue were subjected to SDS PAGE followed by western blot with 19017-1-AP (Brevican antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).