

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: 300 ug/ml	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

Species Specificity:
human, mouse, rat

**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 : human brain tissue, COLO 320 cells, SH-SY5Y cells, Y79 cells

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.

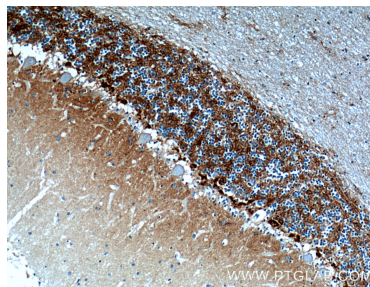
Storage

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

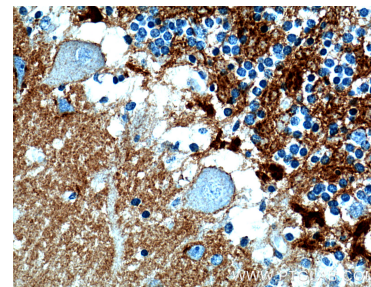
Selected Validation Data



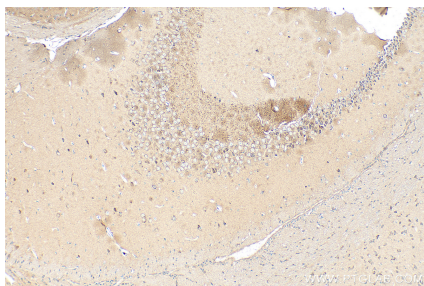
human brain tissue were subjected to SDS PAGE followed by western blot with 19017-1-AP (Brevican antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).