

WBSCR17 Polyclonal antibody

Catalog Number: 21280-1-AP

Basic Information

Catalog Number:

21280-1-AP

Size:

150ul, Concentration: 240 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15792

GenBank Accession Number:

BC069624

GeneID (NCBI):

64409

UNIPROT ID:

Q6IS24

Full Name:

Williams-Beuren syndrome chromosome region 17

Calculated MW:

598 aa, 68 kDa

Observed MW:

68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

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 : mouse brain tissue, A549 cells, mouse lung tissue, human brain tissue

IHC : human brain tissue, human heart tissue

Background Information

WBSCR17, also known as GALNT17, which encodes a brain-expressed N-acetylgalactosaminyl transferase (GalNAcT), is located at the distal edge of a region that is commonly deleted or duplicated in Williams Beuren Syndrome (WBS), a developmental disorder with motor and coordination problems, impaired visuospatial memory, and abnormal social interaction (PMID: 31554716). WBSCR17 loss-of-function has significant effects on cerebellar development, and is associated with phenotypes including developmental delay, deficits in motor coordination, reduced exploratory activity, and impaired social behavior (PMID: 22787146).

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

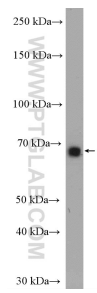
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

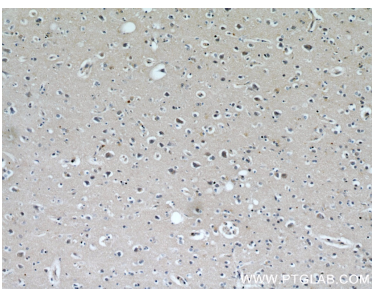
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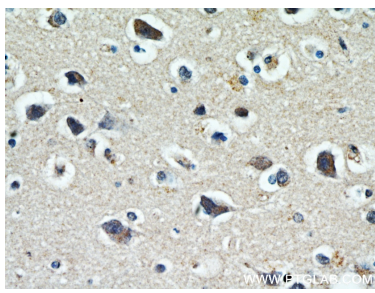
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 21280-1-AP (WBSCR17 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 21280-1-AP (WBSCR17 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 21280-1-AP (WBSCR17 antibody) at dilution of 1:100 (under 40x lens).