For Research Use Only

WBSCR17 Recombinant antibody

Catalog Number:86351-1-RR

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Basic Information

Catalog Number:
86351-1-RR

Concentration:
1000 μg/ml

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:
70-90 kDa

Purification Method:
Protein A purification

CloneNo.:
250868B10

Recommended Dilutions:
WB: 1:1000-1:6000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue, fetal human brain 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). With the calculated molecular mass of recombinant WBSCR17 being 68 kDa, the 70-90-kDa glycoproteins could also be detected due to post-translational modifications (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, pH7.3
Aliquoting is unnecessary for -20°C storage

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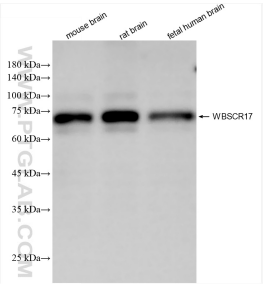
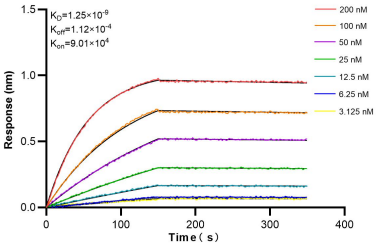
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86351-1-RR (WBSCR17 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86351-1-RR against Human WBSCR17 were performed. The affinity constant is 1.25 nM.