

WBSCR17 Recombinant antibody, PBS Only

Catalog Number: 86351-1-PBS

Basic Information

Catalog Number: 86351-1-PBS	GenBank Accession Number: BC069624	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 64409	CloneNo.: 250868B10
Source: Rabbit	UNIPROT ID: Q6IS24	
Isotype: IgG	Full Name: Williams-Beuren syndrome chromosome region 17	
Immunogen Catalog Number: AG15792	Calculated MW: 598 aa, 68 kDa	
	Observed MW: 70-90 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

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).

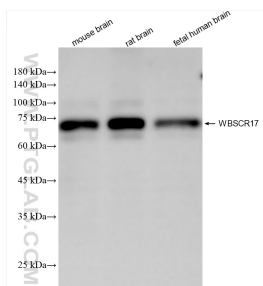
Storage

Storage:
Store at -80°C.

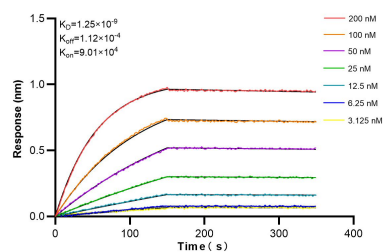
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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. This data was developed using the same antibody clone with 86351-1-PBS in a different storage buffer formulation.



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