

For Research Use Only

HOMER1 Recombinant antibody, PBS Only

Catalog Number: 85692-4-PBS



Basic Information

Catalog Number: 85692-4-PBS	GenBank Accession Number: BC015502	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 9456	CloneNo.: 243007G2
Source: Rabbit	UNIPROT ID: Q86YM7	
Isotype: IgG	Full Name: homer homolog 1 (Drosophila)	
Immunogen Catalog Number: AG3109	Calculated MW: 40 kDa	
	Observed MW: 46-48 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Human HOMER1, also named as SYN47, belongs to the Homer family. Human HOMER1 has some isoforms: HOMER1a, HOMER1b, HOMER1c, HOMER1e and HOMER1h. Mouse Homer1 also named as Vesl-1 and it has some isoforms: Vesl-1l, Vesl-1m, Vesl-1s, Homer1b, and Homer1d. HOMER1 is a postsynaptic density scaffolding protein. It is a neuronal immediate-early gene (IEG) that is enriched at excitatory synapses and binds mGluRs. In WB, the MW of HOMER1 is about 46-50kd, 40-43kd and 20-26kd.

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

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

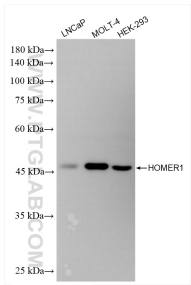
T: 4006900926

E: Proteintech-CN@ptglab.com

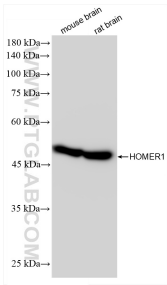
W: ptgcn.com

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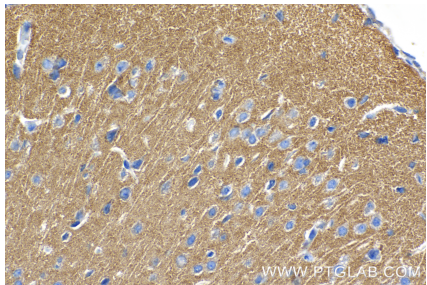
Selected Validation Data



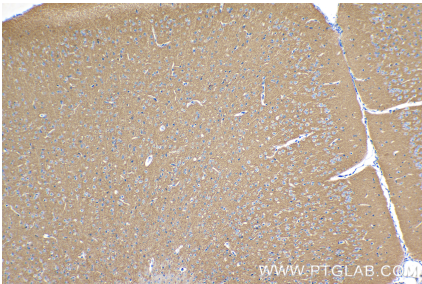
Various lysates were subjected to SDS PAGE followed by western blot with 85692-4-RR (HOMER1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85692-4-PBS in a different storage buffer formulation.



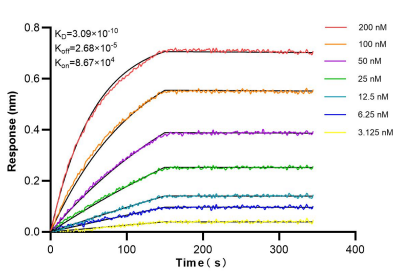
Various lysates were subjected to SDS PAGE followed by western blot with 85692-4-RR (HOMER1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85692-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85692-4-RR (HOMER1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85692-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85692-4-RR (HOMER1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85692-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85692-4-RR against Human HOMER1 were performed. The affinity constant is 0.309 nM.