

For Research Use Only

HOMER1 Recombinant antibody

Catalog Number: 85692-4-RR



Basic Information

Catalog Number: 85692-4-RR	GenBank Accession Number: BC015502	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9456	CloneNo.: 243007G2
Source: Rabbit	UNIPROT ID: Q86YM7	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:200-1:800
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, 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 : LNCaP cells, mouse brain tissue, MOLT-4 cells,
HEK-293 cells, rat brain tissue

IHC : mouse brain tissue,

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

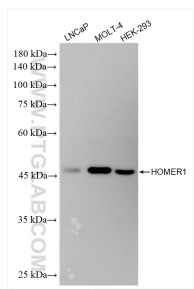
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

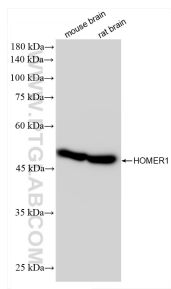
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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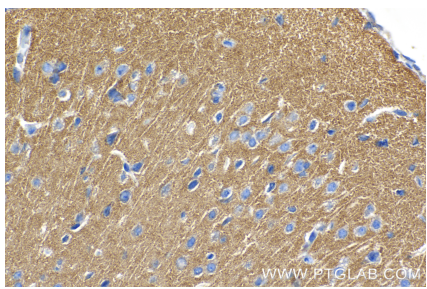
Selected Validation Data



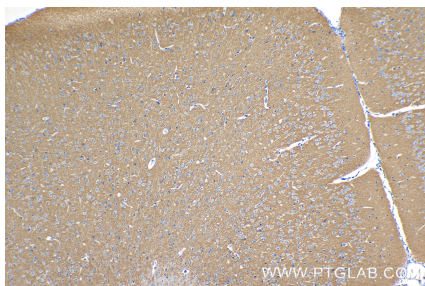
Various lysates were subjected to SDS PAGE followed by western blot with 85692-4-RR (HOMER1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



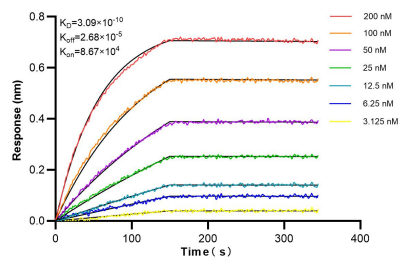
Various lysates were subjected to SDS PAGE followed by western blot with 85692-4-RR (HOMER1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



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).



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