

For Research Use Only

HOMER3 Polyclonal antibody

Catalog Number: 16624-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 16624-1-AP	GenBank Accession Number: BC012113	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 650 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9454	Recommended Dilutions: WB 1:300-1:1200 IHC 1:50-1:500
Source: Rabbit	Full Name: homer homolog 3 (Drosophila)	
Isotype: IgG	Calculated MW: 361 aa, 40 kDa	
Immunogen Catalog Number: AG9923	Observed MW: 45 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

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, mouse lung tissue, human brain tissue, rat brain tissue

IHC: human cerebellum tissue,

Background Information

HOMER3 is a member of the HOMER family of postsynaptic density scaffolding proteins that share a similar domain structure consisting of an N-terminal Enabled/vasodilator-stimulated phosphoprotein homology 1 domain which mediates protein-protein interactions, and a carboxy-terminal coiled-coil domain and two leucine zipper motifs that are involved in self-oligomerization. The encoded protein binds numerous other proteins including group I metabotropic glutamate receptors, inositol 1,4,5-trisphosphate receptors and amyloid precursor proteins and has been implicated in diverse biological functions such as neuronal signaling, T-cell activation and trafficking of amyloid beta peptides.

Notable Publications

Author	Pubmed ID	Journal	Application
Jian Pu	34815380	Cell Death Dis	IHC
Dan Liu	34425157	Neuroscience	WB
Yue Qin	35388181	Mol Psychiatry	WB

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

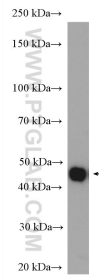
For technical support and original validation data for this product please contact:

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

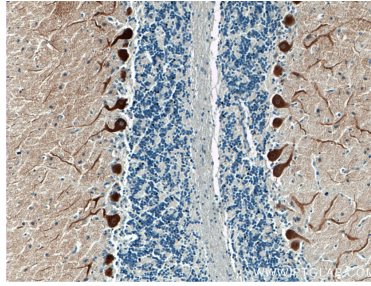
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W: ptglab.com

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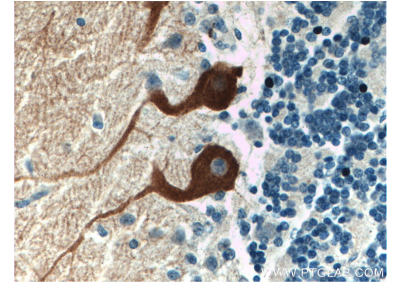
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 16624-1-AP (HOMER3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 16624-1-AP (HOMER3 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 16624-1-AP (HOMER3 antibody) at dilution of 1:200 (under 40x lens).