

For Research Use Only

# HOMER3 Polyclonal antibody

Catalog Number: 16624-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

16624-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9923

### GenBank Accession Number:

BC012113

### GeneID (NCBI):

9454

### UNIPROT ID:

Q9NSC5

### Full Name:

homer homolog 3 (Drosophila)

### Calculated MW:

361 aa, 40 kDa

### Observed MW:

45 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:300-1:1200

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC

### 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

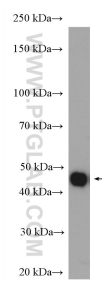
For technical support and original validation data for this product please contact:

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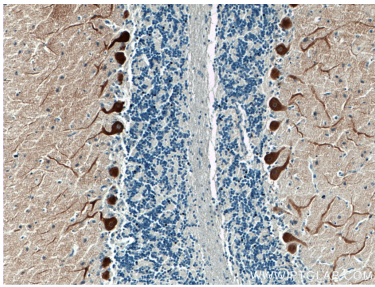
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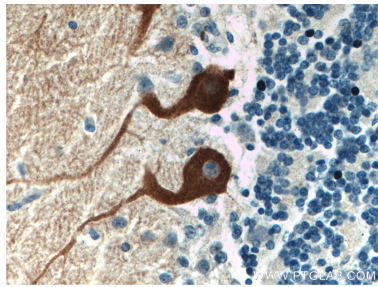
Selected Validation Data



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).