

## Rabbit Homer 3 Polyclonal Antibody | anti-HOMER3 antibody

Homer 3 antibody

|                               |                       |                                     |
|-------------------------------|-----------------------|-------------------------------------|
| CATALOG #<br><b>AAA107812</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|-------------------------------------|

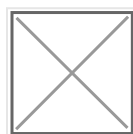
### PRODUCT SYNONYMS

Homer 3; Polyclonal Antibody; Homer 3 antibody; Polyclonal Homer 3; Anti-Homer 3; homer protein homolog 3; HOMER3; Homer -3; Homer neuronal immediate early gene 3; HOMER-3; homer homolog 3 (Drosophila); VESL3; anti-HOMER3 antibody

### PRODUCT SPECIFICATIONS

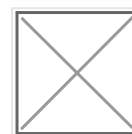
|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Isotype                                          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity/Purification                              | Homer 3 antibody was purified by antigen-affinity chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Form/Format                                      | Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 20% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Concentration                                    | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Sequence Length                                  | 358                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Applicable Applications for anti-HOMER3 antibody | WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Biological Significance                          | This gene encodes 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. |
| Cross-Reactivity                                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation and Storage                          | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



#### WB (Western Blot)

Western blot analysis of 30 ug of whole cell lysate (A: NT2D1) using a 10 % SDS PAGE gel and Homer 3 antibody at a dilution of 1:1000



#### IF (Immunofluorescence)

Immunofluorescence analysis of methanol-fixed HeLa, using Homer3 antibody at 1:500 dilution.

### ADDITIONAL INFORMATION

|                                                      |                                                      |
|------------------------------------------------------|------------------------------------------------------|
| Related Product Information for anti-HOMER3 antibody | Affinity purified Rabbit polyclonal Homer 3 antibody |
|------------------------------------------------------|------------------------------------------------------|

## NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 3834621                                                |
| NCBI GeneID                      | 9454                                                   |
| UniProt Accession #              | Q9NSC5; O14580; O95350; Q9NSB9; Q9NSC0; Q9NSC1; E9PCW9 |
| Molecular Weight                 | 40 kDa                                                 |
| NCBI Official Full Name          | homer-3                                                |
| NCBI Official Synonym Full Names | homer scaffolding protein 3                            |
| NCBI Official Symbol             | HOMER3                                                 |
| NCBI Official Synonym Symbols    | VESL3; HOMER-3                                         |
| NCBI Protein Information         | homer protein homolog 3                                |
| UniProt Protein Name             | Homer protein homolog 3                                |
| UniProt Gene Name                | <b>HOMER3</b>                                          |
| UniProt Synonym Gene Names       | Homer-3                                                |
| UniProt Entry Name               | HOME3_HUMAN                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/homer-3-antibody-western-blot-elisa/107812>