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Datasheet for ABIN7155878  
**anti-HOMER1 antibody (AA 1-354) (Biotin)**

### Overview

Quantity:	100 µg
Target:	HOMER1
Binding Specificity:	AA 1-354
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOMER1 antibody is conjugated to Biotin
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human Homer protein homolog 1 protein (1-354AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	HOMER1
Alternative Name:	HOMER1 ( <a href="#">HOMER1 Products</a> )
Background:	Background: Postsynaptic density scaffolding protein. Binds and cross-links cytoplasmic regions of GRM1, GRM5, ITPR1, DNM3, RYR1, RYR2, SHANK1 and SHANK3. By physically

## Target Details

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linking GRM1 and GRM5 with ER-associated ITPR1 receptors, it aids the coupling of surface receptors to intracellular calcium release. May also couple GRM1 to PI3 kinase through its interaction with AGAP2. Isoform 1 regulates the trafficking and surface expression of GRM5. Isoform 3 acts as a natural dominant negative, in dynamic competition with constitutively expressed isoform 1 to regulate synaptic metabotropic glutamate function. Isoform 3, may be involved in the structural changes that occur at synapses during long-lasting neuronal plasticity and development. Forms a high-order complex with SHANK1, which in turn is necessary for the structural and functional integrity of dendritic spines (By similarity).

Aliases: HOME1\_HUMAN antibody, Homer antibody, HOMER 1A antibody, HOMER 1B antibody, HOMER 1C antibody, Homer homolog 1 (Drosophila) antibody, homer homolog 1 antibody, Homer protein homolog 1 antibody, homer scaffolding protein 1 antibody, Homer, Drosophila, homolog of, 1 antibody, Homer, neuronal immediate early gene, 1 antibody, Homer-1 antibody, Homer1 antibody, HOMER1A antibody, HOMER1B antibody, HOMER1C antibody, SYN47 antibody, Ves 1 antibody

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UniProt: [Q86YM7](#)

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Pathways: [Skeletal Muscle Fiber Development](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.