

Datasheet for ABIN1742341  
**anti-HOMER2 antibody (AA 1-176)**



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## Overview

Quantity:	50 µg
Target:	HOMER2
Binding Specificity:	AA 1-176
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HOMER2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Purified recombinant protein of rat homer 2 (aa 1-176).
Specificity:	AA 121-176, unique for homer 2, were used for affinity purification. According to Soloviev et al. (2000), they are present in isoform a, b, and d and partially present in c.
Purification:	Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization.

## Target Details

Target:	HOMER2
Alternative Name:	Homer 2 ( <a href="#">HOMER2 Products</a> )
Background:	Synonyms: VesL 2, Cupidin
Pathways:	<a href="#">Synaptic Membrane, Regulation of G-Protein Coupled Receptor Protein Signaling</a>

## Application Details

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Application Notes: WB: 1 : 1000 (AP staining)  
IP: not tested yet  
ICC: 1 : 500  
IHC: not tested yet

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Reconstitution: For reconstitution add 50  $\mu$ L H<sub>2</sub>O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store at -20 °C until use.

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Buffer: PBS

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Handling Advice: Affinity purified antibodies are less robust than antisera, since protease inhibitors are also removed during purification. Hence, storage at 4 °C for prolonged periods (i.e. several weeks), is not recommended.

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Storage: -20 °C

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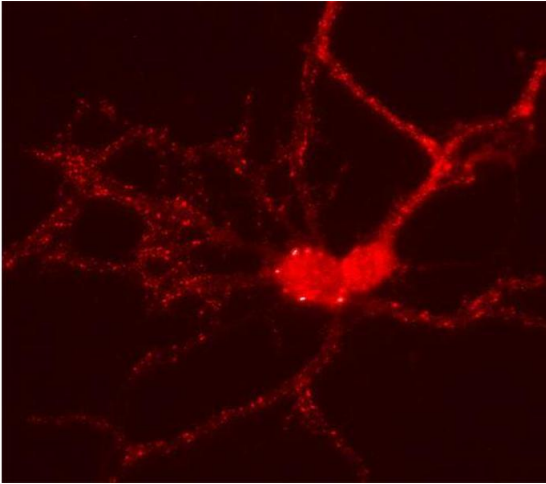
Storage Comment: Unlabeled lyophilized antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4°C for several years. Lyophilized antibodies must not be stored in the freezer, they may be destroyed!

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## Publications

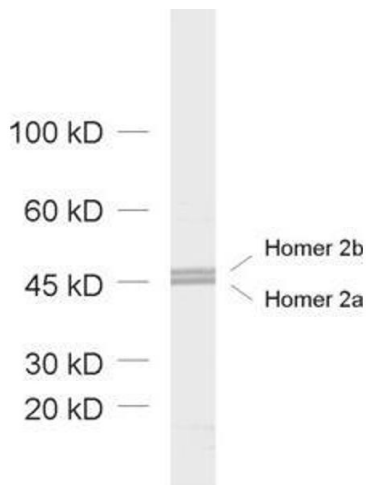
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Product cited in: Tao-Cheng, Thein, Yang, Reese, Gallant: "Homer is concentrated at the postsynaptic density and does not redistribute after acute synaptic stimulation." in: **Neuroscience**, Vol. 266, pp. 80-90, (2014) ([PubMed](#)).



### Immunocytochemistry

**Image 1.** Indirect immunolabeling of PFA fixed cultured rat hippocampus neurons (dilution 1 : 500).



### Western Blotting

**Image 2.** dilution: 1 : 1000, sample: crude synaptic membranes fraction of rat brain (LP1)