

Datasheet for ABIN1742378

**anti-GRIA2 antibody (AA 278-292)**[Go to Product page](#)**1** Image**1** Publication

## Overview

Quantity:	100 µg
Target:	GRIA2
Binding Specificity:	AA 278-292
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP)

## Product Details

Immunogen:	Synthetic peptide (aa 278-292 in rat GluA 2, unprocessed precursor) coupled to key-hole limpet hemocyanin via an added C-terminal cysteine residue.
Clone:	1404A10
Isotype:	IgG2b
Specificity:	Specific for GluA 2.
Purification:	purified IgG. Azide was added before lyophilization.

## Target Details

Target:	GRIA2
Alternative Name:	GluA 2 ( <a href="#">GRIA2 Products</a> )
Background:	Synonyms: AMPA 2, GluR 2

## Target Details

Pathways: [PI3K-Akt Signaling](#)

## Application Details

Application Notes: WB: 1 : 1000 (AP staining)

ICC: not tested yet

IHC: not tested yet

Comment: IP:For most effective IP use the solubilization protocol described in this ELISA protocol.  
Consider that protein-protein interaction may be affected.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: For reconstitution add 100 µL H<sub>2</sub>O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store at -20 °C until use.

Buffer: PBS, 0.02% sodium azide

Preservative: Sodium azide

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

Handling Advice: Do not store diluted antibody solutions unless you add detergent or carrier proteins such as goat serum, BSA or others. IgG sticks to glass and plastic. Any IgG solution below 0.1 mg/mL protein will quickly adsorb and denature and thus loose activity! Repetitive freeze-thawing of dilute purified IgG is almost certain to lead to substantial losses.

Storage: -20 °C

Storage Comment: Unlabeled 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.

## Publications

Product cited in: Jedlicka, Vnencak, Krueger, Jungenitz, Brose, Schwarzacher: "Neurologin-1 regulates excitatory synaptic transmission, LTP and EPSP-spike coupling in the dentate gyrus in vivo." in: **Brain structure & function**, Vol. 220, Issue 1, pp. 47-58, (2015) ([PubMed](#)).



Western Blotting

**Image 1.** dilution: 1 : 1000; sample: rat hippocampus homogenate