

Datasheet for ABIN289441  
**anti-mGluR1 alpha antibody (Internal Region)**



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## Overview

Quantity:	100 µg
Target:	mGluR1 alpha (mGluR1a)
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This mGluR1 alpha antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	mGluR1 alpha antibody was raised in rabbit using a synthetic peptide comprising internal residues of the human GluR1 alpha protein as the immunogen.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Rat (Rattus)
Purification:	Affinity chromatography purified

## Target Details

Target:	mGluR1 alpha (mGluR1a)
Alternative Name:	mGluR1 alpha ( <a href="#">mGluR1a Products</a> )
Background:	L-glutamate is the major excitatory neurotransmitter in the central nervous system and

## Target Details

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activates both ionotropic and metabotropic glutamate receptors. The metabotropic glutamate receptors are a family of G protein-coupled receptors, that have been divided into 3 groups. The Glutamate Receptor, Metabotropic, 1, (mGluR1 alpha) activates phospholipase C and participates in the central action of glutamate in the central nervous system, such as long-term potentiation in the hippocampus and long-term depression in the cerebellum.

## Application Details

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Application Notes: IHC: 1:100-1:500, WB: 1:500-1:1,000  
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Concentration: Lot specific

Buffer: Affinity purified and supplied in PBS, with 0.02 % NaN<sub>3</sub>.

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: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C for short term storage. Aliquot and store at -20 °C for long term storage.