Datasheet for ABIN2483209

anti-GRIN2B antibody (AA 20-271) (Atto 594)

Go to Product page

6 Images

Overview

Quantity:	100 µg
Target:	GRIN2B
Binding Specificity:	AA 20-271
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GRIN2B antibody is conjugated to Atto 594
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC), Antibody Array (AA)

Product Details

Immunogen:	Fusion protein amino acids 20-271 (extracellular N-terminus) of rat NR2B
Clone:	S59
Isotype:	IgG2b
Specificity:	Detects ~166 kDa. No cross-reactivity against NR2A.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein G Purified

Target Details

Target:	GRIN2B

Target Details

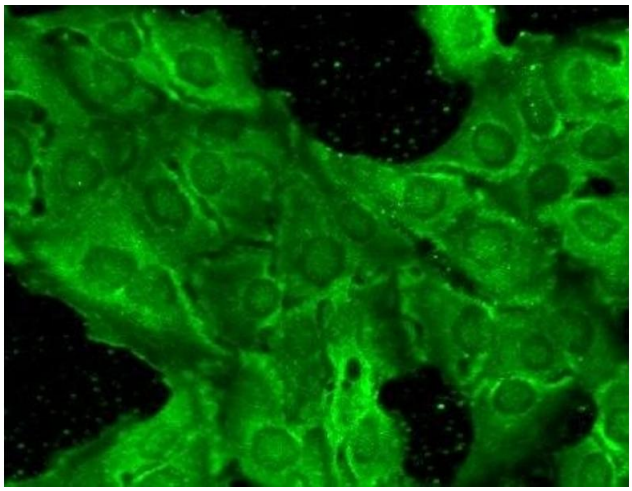
Alternative Name:	NR2B (GRIN2B Products)
Background:	NR2B containing receptors have been implicated in synaptic plasticity, memory formation and pain modulation (1). Studies suggest that the NR2B subunit of glutamate receptors may be potential targets for relieving pain, NR2B may be a probable target for anti-nociceptive drugs, and may also be useful as analgesics (2).
Gene ID:	24410
NCBI Accession:	NP_036706
UniProt:	Q00960
Pathways:	Response to Growth Hormone Stimulus, Synaptic Membrane, Feeding Behaviour, Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	• WB (1:1000) • IHC (1:1000) • ICC/IF (1:100) • optimal dilutions for assays should be determined by the user.
Comment:	1 µg/ml of ABIN2483209 was sufficient for detection of NR2B in 10 µg of rat brain lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

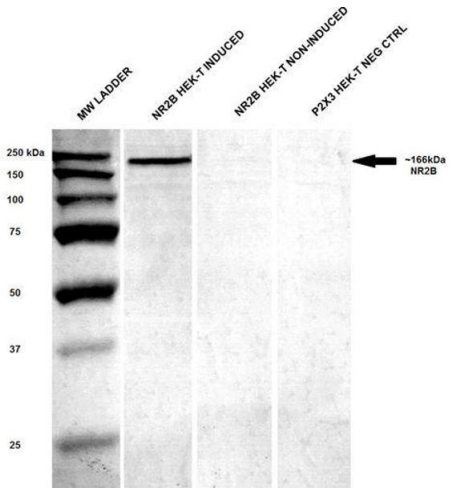
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C



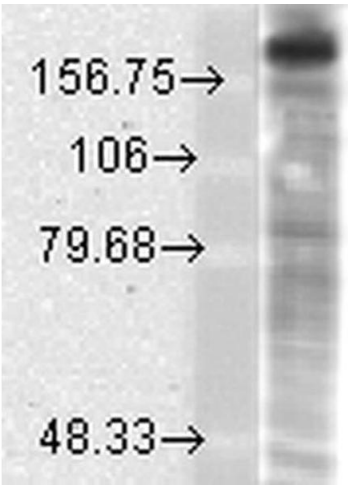
Immunocytochemistry

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-GluN2B/NR2B Monoclonal Antibody, Clone S59-36 (ABIN2483209). Tissue: HaCaT cells. Species: Human. Fixation: Cold 100 % methanol for 10 minutes at -20 °C. Primary Antibody: Mouse Anti-GluN2B/NR2B Monoclonal Antibody (ABIN2483209) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Everything positive.



Western Blotting

Image 2. Western Blot analysis of Human HEK-T lysates showing detection of GluN2B/NR2B protein using Mouse Anti-GluN2B/NR2B Monoclonal Antibody, Clone S59-36 . Primary Antibody: Mouse Anti-GluN2B/NR2B Monoclonal Antibody at 1:250.



Western Blotting

Image 3. Western Blot analysis of Rat brain membrane lysate showing detection of GluN2B/NR2B protein using Mouse Anti-GluN2B/NR2B Monoclonal Antibody, Clone S59-36 . Load: 15 µg. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-GluN2B/NR2B Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.

Please check the product details page for more images. Overall 6 images are available for ABIN2483209.