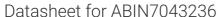
# antibodies - online.com





# anti-GRID2 antibody (Extracellular, N-Term)

**Images** 



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Quantity:	25 μL
Target:	GRID2
Binding Specificity:	AA 206-218, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRID2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Live Cell Imaging (LCI)
Product Details	

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KMITTLFDTMRIE, corresponding to amino acid residues 206-218 of rat GluD2
Isotype:	IgG
Characteristics:	Anti-GRID2 (extracellular) Antibody (ABIN7043236, ABIN7044376 and ABIN7044377)) is a highly specific antibody directed against an epitope of the rat Glutamate receptor δ2. The antibody can be used in western blot, immunohistochemistry, and live cell imaging applications. It has been designed to recognize GluD2 from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

### **Target Details**

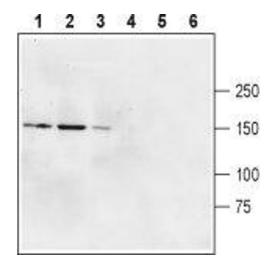
Target:	GRID2
Alternative Name:	GRID2 (GRID2 Products)
Background:	Alternative names: GRID2, Ionotropic glutamate receptor delta2, GluR delta-2 subunit, GluD2
Gene ID:	79220
NCBI Accession:	NM_001286838
UniProt:	Q63226
Pathways:	Synaptic Membrane

### **Application Details**

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	$25~\mu\text{L},50~\mu\text{L}$ or $0.2~\text{mL}$ double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % 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.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.  Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week.  For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



#### **Western Blotting**

Image 1. Western blot analysis of rat brain membranes (lanes 1 and 4), mouse brain membranes (lanes 2 and 5) and human U87-MG glioblastoma cell lysate (lines 3 and 6):

- 1-3. Anti-GRID2 (extracellular) Antibody (ABIN7043236, ABIN7044376 and ABIN7044377), (1:600).4-6. Anti-GRID2 (extracellular) Antibody, preincubated with GRID2 (extracellular) Blocking Peptide (#BLP-GC039).



Image 2. Expression of Glutamate receptor δ2 in rat PC12 cells - Cell surface detection of GluD2 in live intact rat PC12 pheochromocytoma cells. A. Extracellular staining of cells with Anti-GRID2 (extracellular) Antibody (ABIN7043236, ABIN7044376 and ABIN7044377), (1:50), followed by goat anti-rabbit-AlexaFluor-594 secondary antibody (red). B. Live view of the cells. C. Merge of A and B. Cell nuclei (blue) were visualized with Hoechst 33342.

