

**GluR- $\delta$ 2 rabbit pAb****Cat#: orb768515 (Manual)**

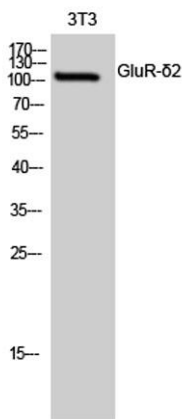
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<b>Product Name</b>	GluR- $\delta$ 2 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GRID2. AA range:831-880
<b>Specificity</b>	GluR- $\delta$ 2 Polyclonal Antibody detects endogenous levels of GluR- $\delta$ 2 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Glutamate receptor delta-2 subunit
<b>Gene Name</b>	GRID2
<b>Cellular localization</b>	Cell membrane ; Multi-pass membrane protein . Cell junction, synapse, postsynaptic cell membrane ; Multi-pass membrane protein .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

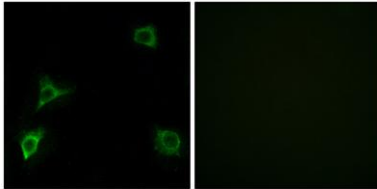
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	113kD
<b>Human Gene ID</b>	2895
<b>Human Swiss-Prot Number</b>	O43424
<b>Alternative Names</b>	GRID2; GLURD2; Glutamate receptor delta-2 subunit; GluR delta-2 subunit

**Background**

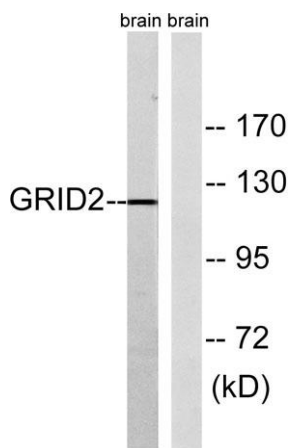
The protein encoded by this gene is a member of the family of ionotropic glutamate receptors which are the predominant excitatory neurotransmitter receptors in the mammalian brain. The encoded protein is a multi-pass membrane protein that is expressed selectively in cerebellar Purkinje cells. A point mutation in the mouse ortholog, associated with the phenotype named 'lurcher', in the heterozygous state leads to ataxia resulting from selective, cell-autonomous apoptosis of cerebellar Purkinje cells during postnatal development. Mice homozygous for this mutation die shortly after birth from massive loss of mid- and hindbrain neurons during late embryogenesis. This protein also plays a role in synapse organization between parallel fibers and Purkinje cells. Alternate splicing results in multiple transcript variants encoding distinct isoforms. Mutations in this



**Western Blot analysis of 3T3 cells using GluR-δ2 Polyclonal Antibody**



**Immunofluorescence analysis of HUVEC cells, using GRID2 Antibody. The picture on the right is blocked with the synthesized peptide.**



**Western blot analysis of lysates from mouse brain, using GRID2 Antibody. The lane on the right is blocked with the synthesized peptide.**