ELK Biotechnology

GluR-δ2 rabbit pAb

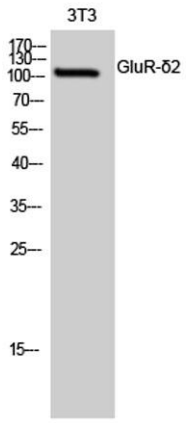
Cat No.:ES5640

For research use only

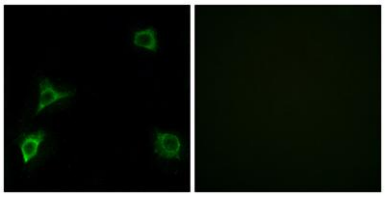
Overview

Product Name	GluR-δ2 rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GRID2. AA range:831-880
Specificity	GluR-δ2 Polyclonal Antibody detects endogenous levels of GluR-δ2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Glutamate receptor delta-2 subunit
Gene Name	GRID2
Cellular localization	Cell membrane ; Multi-pass membrane protein . Cell junction, synapse, postsynaptic cell membrane ; Multi-pass membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	113kD
Human Gene ID	2895
Human Swiss-Prot Number	O43424
Alternative Names	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.

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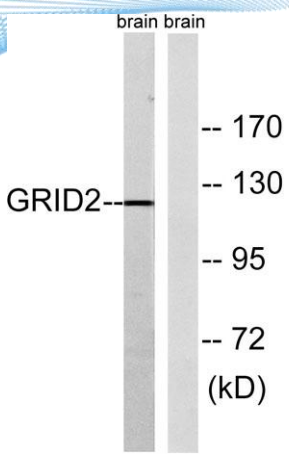

Western blot analysis of lysates from mouse brain, using GRID2 Antibody. The lane on the right is blocked with the synthesized peptide.

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