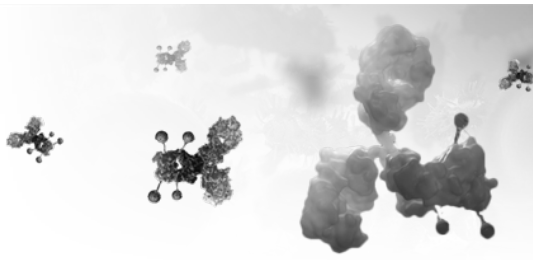

Anti-GRID2 (aa 908-1007) polyclonal antibody (DPAB-DC1458)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 gene cause cerebellar ataxia in humans.
Immunogen	GRID2 (NP_001501, 908 a.a. ~ 1007 a.a) partial recombinant protein with GST tag. The sequence is DTLPTRQALEQISDFRNTHITTTTFIPEQIQTLSRTLSAKAASGFTFGNVPEHRTGPFRH RAPNGGFFRSPIKTMSSIPYQPTPTLGLNLGNDPDRGTSI
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GRID2 glutamate receptor, ionotropic, delta 2 [Homo sapiens (human)]
Official Symbol	GRID2
Synonyms	GRID2; glutamate receptor, ionotropic, delta 2; GluD2; glutamate receptor ionotropic, delta-2; gluR delta-2 subunit; glutamate receptor delta-2 subunit;
Entrez Gene ID	2895
Protein Refseq	NP_001273767
UniProt ID	O43424
Chromosome Location	4q22
Pathway	Long-term depression;
Function	PDZ domain binding; extracellular-glutamate-gated ion channel activity; glutamate receptor activity; ionotropic glutamate receptor activity

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221