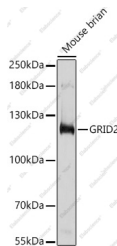
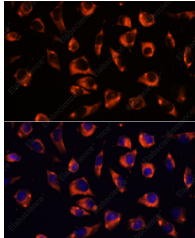
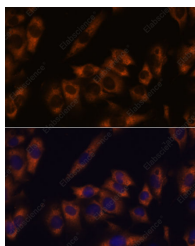
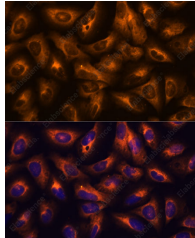


## GRID2 Polyclonal Antibody

catalog number: E-AB-92148

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

| Description  |                                                                                    |
|--------------|------------------------------------------------------------------------------------|
| Reactivity   | Human;Mouse;Rat                                                                    |
| Immunogen    | A synthetic peptide of human GRID2                                                 |
| Host         | Rabbit                                                                             |
| Isotype      | Rabbit IgG                                                                         |
| Purification | Affinity purification                                                              |
| Buffer       | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |
| Applications | Recommended Dilution                                                               |
| WB           | 1:500-1:2000                                                                       |
| IF           | 1:50-1:200                                                                         |

| Data                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Western blot analysis of extracts of Mouse brain using GRID2 Polyclonal Antibody at 1:1000 dilution.</p> <p><b>Observed-MW:113 kDa</b></p>  <p>Immunofluorescence analysis of L929 cells using GRID2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.</p> |  <p>Immunofluorescence analysis of C6 cells using GRID2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.</p>  <p>Immunofluorescence analysis of U2OS cells using GRID2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.</p> |

| Preparation & Storage |                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------|
| Storage               | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.                                        |
| Shipping              | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

## Background

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.8

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. [provided by RefSeq, Apr 2014]