

Datasheet for ABIN7127779

**Recombinant anti-DLG4 antibody**[Go to Product page](#)**1** Image

## Overview

|                |                                     |
|----------------|-------------------------------------|
| Quantity:      | 100 µL                              |
| Target:        | DLG4                                |
| Reactivity:    | Human                               |
| Host:          | Rabbit                              |
| Antibody Type: | Recombinant Antibody                |
| Clonality:     | Monoclonal                          |
| Conjugate:     | This DLG4 antibody is un-conjugated |
| Application:   | Western Blotting (WB), ELISA        |

## Product Details

|                   |                                                |
|-------------------|------------------------------------------------|
| Immunogen:        | A synthesized peptide derived from human PSD95 |
| Clone:            | 1H4                                            |
| Isotype:          | IgG                                            |
| Cross-Reactivity: | Human, Mouse, Rat                              |
| Purification:     | Affinity-chromatography                        |

## Target Details

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Target:           | DLG4                                                                                      |
| Alternative Name: | DLG4 ( <a href="#">DLG4 Products</a> )                                                    |
| Background:       | Background: Interacts with the cytoplasmic tail of NMDA receptor subunits and shaker-type |

## Target Details

potassium channels. Required for synaptic plasticity associated with NMDA receptor signaling. Overexpression or depletion of DLG4 changes the ratio of excitatory to inhibitory synapses in hippocampal neurons. May reduce the amplitude of ASIC3 acid-evoked currents by retaining the channel intracellularly. May regulate the intracellular trafficking of ADR1B (By similarity). Aliases: Disks large homolog 4 (Postsynaptic density protein 95) (PSD-95) (Synapse-associated protein 90) (SAP-90) (SAP90), DLG4, PSD95

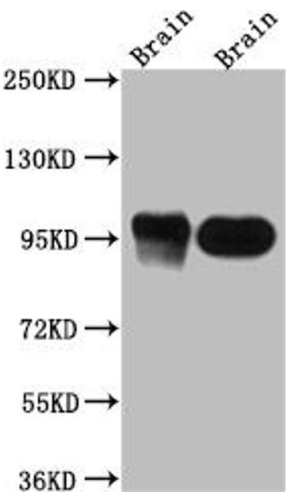
|           |                                                                                                                                                                                                                                                                            |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt:  | <a href="#">P78352</a>                                                                                                                                                                                                                                                     |
| Pathways: | <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Synaptic Membrane</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Asymmetric Protein Localization</a> , <a href="#">Regulation of long-term Neuronal Synaptic Plasticity</a> |

## Application Details

|                    |                                        |
|--------------------|----------------------------------------|
| Application Notes: | Recommended dilution: WB:1:500-1:5000, |
| Restrictions:      | For Research Use only                  |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.                   |
| 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:           | -20 °C,-80 °C                                                                                                          |
| Storage Comment:   | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                          |



Western Blotting

**Image 1.** Western Blot Positive WB detected in: Rat Brain whole cell lysate, Mouse Brain whole cell lysate All lanes: PSD95 antibody at 1:1000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 81, 86, 81 kDa Observed band size: 95 kDa