

Datasheet for ABIN6243181  
**anti-DLG4 antibody (AA 548-579)**



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1 Image

## Overview

|                      |                                     |
|----------------------|-------------------------------------|
| Quantity:            | 200 µL                              |
| Target:              | DLG4                                |
| Binding Specificity: | AA 548-579                          |
| Reactivity:          | Rat, Mouse, Human                   |
| Host:                | Rabbit                              |
| Clonality:           | Polyclonal                          |
| Conjugate:           | This DLG4 antibody is un-conjugated |
| Application:         | Western Blotting (WB)               |

## Product Details

|               |                                                                                                                                              |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | This DLG4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 548-579 amino acids from human DLG4. |
| Clone:        | RB54010                                                                                                                                      |
| Isotype:      | Ig Fraction                                                                                                                                  |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification.                                             |

## Target Details

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

## Target Details

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).

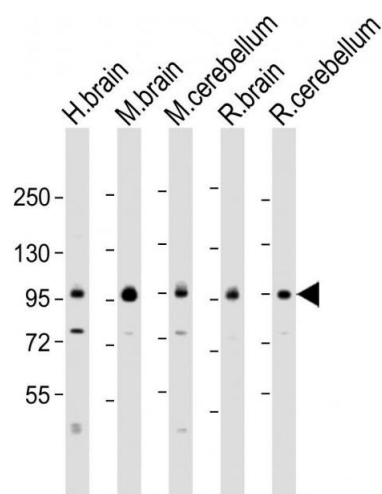
|                   |                                                                                                                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Molecular Weight: | 80495                                                                                                                                                                                                                                                                      |
| 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: | WB: 1:2000            |
| Restrictions:      | For Research Use only |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.                                           |
| 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:           | 4 °C,-20 °C                                                                                                            |
| Expiry Date:       | 6 months                                                                                                               |



Western Blotting

**Image 1.** All lanes : Anti-DLG4 Antibody (C-erm) at 1:2000 dilution Lane 1: human brain lysate Lane 2: mouse brain lysate Lane 3: mouse cerebellum lysate Lane 4: rat brain lysate Lane 5: rat cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 80 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.