

Datasheet for ABIN658997  
**anti-DLG4 antibody (C-Term)**

2 Images



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## Overview

|                      |                                                                                    |
|----------------------|------------------------------------------------------------------------------------|
| Quantity:            | 0.1 mL                                                                             |
| Target:              | DLG4                                                                               |
| Binding Specificity: | AA 677-706, C-Term                                                                 |
| Reactivity:          | Mouse, Human                                                                       |
| Host:                | Mouse                                                                              |
| Clonality:           | Monoclonal                                                                         |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|               |                                                                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | This DLG4 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 677-706 amino acids from the C-terminal region of human DLG4. |
| Clone:        | 127CT15-8-20                                                                                                                                                      |
| Isotype:      | IgM                                                                                                                                                               |
| Purification: | Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.                                                                                |

## Target Details

|                   |                                                                                                                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | DLG4                                                                                                                                                                                          |
| Alternative Name: | DLG4 ( <a href="#">DLG4 Products</a> )                                                                                                                                                        |
| Background:       | A molecular scaffolding protein that binds and clusters N-methyl-D-aspartate receptors at neuronal synapses, may be involved in guanine nucleotide-mediated signal transduction pathway [RGD] |

### Target Details

|                   |                                                                                                                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Molecular Weight: | 80465                                                                                                                                                                                                                                                                      |
| Gene ID:          | 29495                                                                                                                                                                                                                                                                      |
| NCBI Accession:   | <a href="#">NP_062567</a>                                                                                                                                                                                                                                                  |
| UniProt:          | <a href="#">P31016</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: 1:100~500. IHC-P: 1:50~100 |
| Restrictions:      | For Research Use only          |

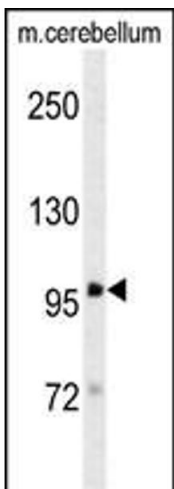
### Handling

|                    |                                                                                                                                            |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                     |
| Buffer:            | Mouse monoclonal antibody supplied in crude ascites 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.                     |
| Handling Advice:   | Avoid freeze-thaw cycles.                                                                                                                  |
| Storage:           | 4 °C,-20 °C                                                                                                                                |
| Storage Comment:   | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date:       | 6 months                                                                                                                                   |



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** RAT DLG4 Antibody (C-term)(Ascites) ABIN658997 immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RAT DLG4 Antibody (C-term)(Ascites) for immunohistochemistry. Clinical relevance has not been evaluated.



**Western Blotting**

**Image 2.** Western blot analysis of RAT DLG4 Antibody (C-term) ABIN658997 in mouse cerebellum tissue lysates (35  $\mu$ g/lane).DLG4 (arrow) was detected using the purified Mab.(1:100)