

Datasheet for ABIN745001

**anti-DLG4 antibody (pTyr236, pTyr240) (Cy3)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | DLG4                                                                                                                           |
| Binding Specificity: | pTyr236, pTyr240                                                                                                               |
| Reactivity:          | Rat, Mouse                                                                                                                     |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This DLG4 antibody is conjugated to Cy3                                                                                        |
| Application:         | Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human PSD95 around the phosphorylation site of Tyr236/Tyr240 |
| Isotype:              | IgG                                                                                                               |
| Cross-Reactivity:     | Mouse, Rat                                                                                                        |
| Predicted Reactivity: | Human,Dog,Cow,Pig,Rabbit                                                                                          |
| Purification:         | Purified by Protein A.                                                                                            |

## Target Details

|         |      |
|---------|------|
| Target: | DLG4 |
|---------|------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Alternative Name: | PSD95 + (DLG4 Products)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Background:       | <p>Synonyms: Discs large homolog 4, DLG 4, DLG4, Human post-synaptic density protein 95 , Postsynaptic density protein 95, PSD 95, PSD-95, SAP 90, SAP90, Synapse associated protein 90.</p> <p>Background: postsynaptic density protein 95 is 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. This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family. It heteromultimerizes with DLG2. With DLG2 it is recruited into the same NMDA receptor and potassium channel clusters. These two MAGUK proteins may interact at postsynaptic sites to form a multimeric scaffold for the clustering of receptors, ion channels, and associated signaling proteins.</p> |
| Gene ID:          | 1742                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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

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|--------------------|------------------------------------------------------------------------------|
| Application Notes: | FCM 1:20-100<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                                        |

## Handling

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|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |

## Handling

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|------------------|-----------------------------------------------------------------------------------|
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
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| Expiry Date: | 12 months |
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