

Datasheet for ABIN1304942  
**anti-DLG3 antibody (AA 1-120)**



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## Overview

|                      |                                                                                                           |
|----------------------|-----------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                    |
| Target:              | DLG3                                                                                                      |
| Binding Specificity: | AA 1-120                                                                                                  |
| Reactivity:          | Rat                                                                                                       |
| Host:                | Mouse                                                                                                     |
| Clonality:           | Monoclonal                                                                                                |
| Conjugate:           | This DLG3 antibody is un-conjugated                                                                       |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC),<br>Immunoprecipitation (IP) |

## Product Details

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|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:        | Fusion protein amino acids 1-120 of rat SAP102 (accession number Q62936) produced recombinantly in E. Coli                                                                                                                                                                                                                                                |
| Clone:            | N19-2                                                                                                                                                                                                                                                                                                                                                     |
| Isotype:          | IgG1                                                                                                                                                                                                                                                                                                                                                      |
| Specificity:      | No off-targets reported for other MAGUK family members PSD-95, SAP97, Chapsyn-110                                                                                                                                                                                                                                                                         |
| Cross-Reactivity: | Human, Mouse, Rabbit, Rat                                                                                                                                                                                                                                                                                                                                 |
| Characteristics:  | Description: Our Anti-SAP102 mouse monoclonal primary antibody is produced in-house from hybridoma clone N19/2. It is KO validated, detects human, mouse, and rat SAP102, and is purified by Protein A chromatography. It is great for use in IHC, ICC, IP, WB.<br><br>Manufacturer Comment: We produce our SAP102 mouse monoclonal primary antibody from |

## Product Details

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|---------------|----------------------------------------------------------------------------------------------------------|
|               | hybridoma clone N19/2. It is great in IHC, ICC, IP, WB and is purified by Protein A chromatography.      |
| Purification: | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. |
| Purity:       | > 90% specific antibody                                                                                  |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | DLG3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Alternative Name: | SAP102 ( <a href="#">DLG3 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Background:       | <p>Synonyms: Disks large homolog 3 (PSD-95/SAP90-related protein 1) (Synapse-associated protein 102) (SAP-102) (SAP102)</p> <p>Target Description: Synapse-Associated Protein 102, Disks large homolog 3(DLG3) or SAP102 MAGUK scaffold protein is encoded by the gene DLG3. SAP102 is a member of the MAGUK (membrane-associated guanylate kinase) protein family. SAP102 can bind to a number of adhesion molecules and receptors, including NMDA receptors and acts as a scaffold protein to mediate synaptic signaling. This protein plays a role in learning and memory and appears to be required for learning. Mutations in this gene have been associated with X-linked cognitive disability.</p> <p>Gene Name Alternatives: Dlg3 Dlgh3</p> |
| Molecular Weight: | 105 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt:          | <a href="#">Q62936</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Application Details

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|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Dilution Range: IP: 1 µg<br>Dilution Range: IHC: 1:500<br>Dilution Range: ICC: 1:500<br>Dilution Range: WB: 1:1000 |
| Restrictions:      | For Research Use only                                                                                              |

## Handling

|                |         |
|----------------|---------|
| Format:        | Liquid  |
| Concentration: | 1 mg/mL |

## Handling

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|                  |                                                                                                                                                                             |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Buffer:          | 10 mM Tris, 50 mM Sodium Chloride, 0.065 % Sodium Azide pH 7.4                                                                                                              |
| Storage:         | 4 °C,-20 °C                                                                                                                                                                 |
| Storage Comment: | Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap. |
| Expiry Date:     | 24 months                                                                                                                                                                   |