

Datasheet for ABIN7595665

## anti-DLG3 antibody (AA 1-120) (FL594)



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### Overview

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Quantity:            | 200 µL                                                |
| Target:              | DLG3                                                  |
| Binding Specificity: | AA 1-120                                              |
| Reactivity:          | Rat                                                   |
| Host:                | Mouse                                                 |
| Clonality:           | Monoclonal                                            |
| Conjugate:           | This DLG3 antibody is conjugated to FL594             |
| Application:         | Immunohistochemistry (IHC), Immunocytochemistry (ICC) |

### Product Details

|                   |                                                                                                                                                                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | Anti-SAP102 Antibody FL594 Conjugate                                                                                                                                                                                                                    |
| 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. |

## Product Details

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|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | Manufacturer Comment: We produce our SAP102 mouse monoclonal primary antibody from hybridoma clone N19/2. It is great in IHC, ICC and is purified by Protein A chromatography. |
| Purification: | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb.                                       |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Application Details

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|--------------------|--------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only                                              |

## Handling

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Format:            | Liquid                                                                        |
| Concentration:     | 0.5 mg/mL                                                                     |
| Buffer:            | PBS with 0.09 % azide                                                         |
| Preservative:      | Sodium azide                                                                  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |

Handling

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|                  |                                                                                                                                                                             |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | should be handled by trained staff only.                                                                                                                                    |
| 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:     | 12 months                                                                                                                                                                   |