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# Datasheet for ABIN3043562 anti-DLG1 antibody (AA 1-165)

2 Images



#### Overview

Quantity:	100 µg
Target:	DLG1
Binding Specificity:	AA 1-165
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DLG1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Disks large homolog 1(DLG1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	E.coli-derived human SAP97 recombinant protein (Position: M1-A165). Human SAP97 shares 89.7% and 84.2% amino acid (aa) sequence identity with mouse and rat SAP97, respectively.
lsotype:	lgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Disks large homolog 1(DLG1) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: discs, large homolog 1 (Drosophila) Protein Name: Disks large homolog 1
Purification:	Immunogen affinity purified.

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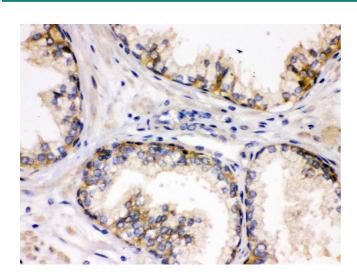
Target:	DLG1
Alternative Name:	DLG1 (DLG1 Products)
Background:	Disks large homolog 1 (DLG1), also known as synapse-associated protein 97 or SAP97, is a protein that in humans is encoded by the SAP97 gene. SAP97 is expressed throughout the body in epithelial cells, including the kidney and brain. There is some evidence that SAP97 regulates cell-to-cell adhesion during cell death, and may interact with HPV. In the brain, SAP97's function is involved in the trafficking of transmembrane receptors from the ER to the plasma membrane SAP97's function has been investigated by reducing its expression by knockout or increasing its expression heterologously. Mice in which the SAP97 gene has been knocked out die perinatally, have a cleft palate, and deficiencies in renal function. Overexpression of SAP97 in mammalian neurons leads to increased synaptic strength. Synonyms: Discs large homolog 1 antibody/discs large, Drosophila, homolog of, 1 antibody/dJ1061C18.1.1 antibody/ DKFZp761P0818 antibody/DKFZp781B0426 antibody/DLG 1 antibody/DLG1 antibody/DLG1_HUMAN antibody/DLGH 1 antibody/DLGH1 antibody/HDLG antibody/Presynaptic protein SAP97 antibody/ SAP 97 antibody/SAP-97 antibody/SAP97 antibody/Synapse associated protein 97 antibody/ Synapse-associated protein 97 antibody/
Gene ID:	1739
UniProt:	Q12959
Pathways:	Regulation of Actin Filament Polymerization, Cell-Cell Junction Organization, Production of Molecular Mediator of Immune Response
Application Details	
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

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### Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu$ g/mL.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg 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 repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

# Validation report #300030 for Immunohistochemistry (IHC)



#### Immunohistochemistry

**Image 1.** Anti- SAP97 Picoband antibody, IHC(P) IHC(P): Human Prostatic Cancer Tissue Validation report #300030 for Immunohistochemistry (IHC)



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