

Datasheet for ABIN6139650

anti-DLG4 antibody (AA 1-100)**1** Image**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	DLG4
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DLG4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human PSD95 (NP_001356.1).
Sequence:	MSQRPRAPRS ALWLLAPPLL RWAPPLLTVL HSDLFQALLD ILDYEEASLS ESQKYRYQDE DTPPLEHSPA HLPNQANSPP VIVNTDTLEA PGYELQVNGT
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	DLG4
Alternative Name:	DLG4 (DLG4 Products)
Background:	This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family. It heteromultimerizes with another MAGUK protein, DLG2, and is recruited into 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. Multiple transcript variants encoding different isoforms have been found for this gene.,DLG4,PSD95,SAP-90,SAP90,Signal Transduction,ErbB-HER Signaling Pathway,Cell Biology & Developmental Biology,Neuroscience,Cell Type Marker,Neurodegenerative Diseases,Neuron marker,Synapse marker,DLG4
Molecular Weight:	80 kDa/85 kDa
Gene ID:	1742
UniProt:	P78352
Pathways:	Regulation of Muscle Cell Differentiation , Synaptic Membrane , Skeletal Muscle Fiber Development , Asymmetric Protein Localization , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

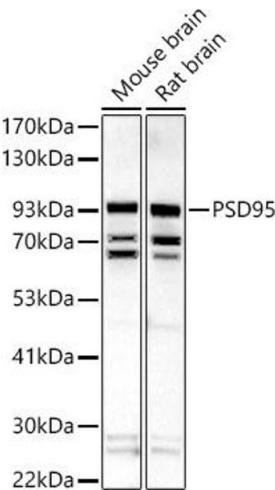
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in: Liu, Feng, Chen, Luo, Yan, Chen, Lin, Ding, Wen: "Dcf1 Triggers Dendritic Spine Formation and Facilitates Memory Acquisition." in: **Molecular neurobiology**, Vol. 55, Issue 1, pp. 763-775, (2018) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using PSD95 antibody (ABIN6134334, ABIN6139650, ABIN7101791 and ABIN7101792) at 1:500 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.