

Datasheet for ABIN2784457
anti-DLG4 antibody (Middle Region)



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2 Images

Overview

Quantity:	100 µL
Target:	DLG4
Binding Specificity:	Middle Region
Reactivity:	Rat, Mouse, Human, Cow, Dog, Rabbit, Zebrafish (Danio rerio), Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DLG4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human DLG4
Sequence:	AAHLHPAIF IRPRSLNVL EINKRITEEQ ARKAFDRATK LEQEFTECFs
Predicted Reactivity:	Cow: 100%, Dog: 79%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against DLG4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	DLG4
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Target Details

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. Alias Symbols: PSD95, SAP90, SAP-90 Protein Interaction Partner: SPRR2A, UBC, BAI1, Mbp, MED28, RAD23A, MDM2, PCDH10, MAP1A, KCNA3, KCNA4, GRIN2B, GRIK2, ADRB1, CUL3, KCNA5, GRIN2A, ERBB4, KHDRBS1, ELAVL1, LRFN1, TANC1, GRASP, DLGAP4, SYNGAP1, GRIN1, LPHN1, ARHGAP32, GNG13, SIPA1L1, ASIC3, NDOR1, SEMA4G, SEMA4B, LIN7B, Protein Size: 767
Molecular Weight:	85 kDa
Gene ID:	1742
NCBI Accession:	NM_001365 , NP_001356
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:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 767 AA
Restrictions:	For Research Use only

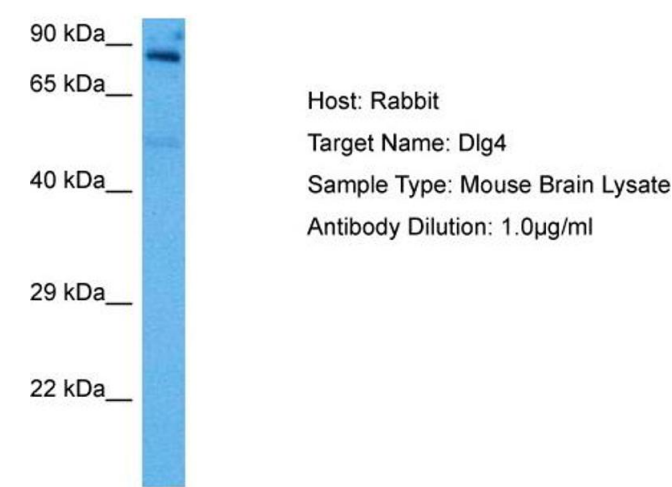
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

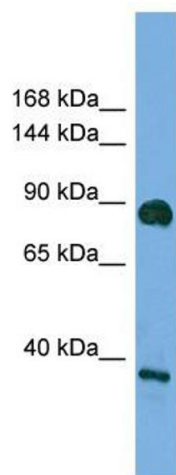
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Host: Rabbit Target Name: DLG4 Sample Tissue: Mouse Brain Antibody Dilution: 1ug/ml



Western Blotting

Image 2. WB Suggested Anti-DLG4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: HT1080 cell lysate