

## PSD-93 Polyclonal Antibody

<b>Catalog No :</b>	YT3878
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	PSD-93
<b>Fields :</b>	>>Hippo signaling pathway;>>Tight junction;>>Human papillomavirus infection
<b>Gene Name :</b>	DLG2
<b>Protein Name :</b>	Disks large homolog 2
<b>Human Gene Id :</b>	1740
<b>Human Swiss Prot No :</b>	Q15700
<b>Mouse Swiss Prot No :</b>	Q91XM9
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human DLG2. AA range:601-650
<b>Specificity :</b>	PSD-93 Polyclonal Antibody detects endogenous levels of PSD-93 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 97kD

**Background :**

This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family. The encoded protein forms a heterodimer with a related family member that 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. Additional transcript variants have been described, but their full-length nature is not known. [provided by RefSeq, Dec 2008],

**Function :**

domain:Isoform 2 has an L27 domain close to N-terminus.,function:Required for perception of chronic pain through NMDA receptor signaling. Regulates surface expression of NMDA receptors in dorsal horn neurons of the spinal cord. Interacts with the cytoplasmic tail of NMDA receptor subunits as well as inward rectifying potassium channels. Involved in regulation of synaptic stability at cholinergic synapses. Part of the postsynaptic protein scaffold of excitatory synapses.,PTM:Palmitoylation of isoform 1 is not required for targeting to postsynaptic density.,similarity:Belongs to the MAGUK family.,similarity:Contains 1 guanylate kinase-like domain.,similarity:Contains 1 SH3 domain.,similarity:Contains 3 PDZ (DHR) domains.,subcellular location:Concentrated in soma and postsynaptic density of a subset of neurons.,subunit:Interacts with NOS1/nNOS through second PDZ domain (By similarity). Inte

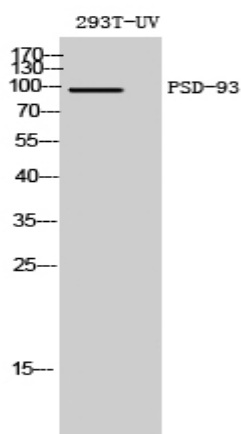
**Subcellular Location :**

Cell membrane ; Lipid-anchor . Cell junction, synapse, postsynaptic density . Cell junction, synapse . Membrane . Cell projection, axon . Perikaryon . Concentrated in soma and postsynaptic density of a subset of neurons. .

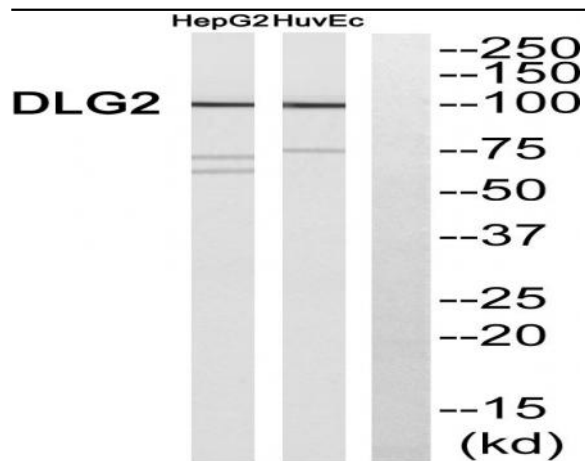
**Expression :**

Brain,Brain cortex,Caudate nucleus,Cerebellum,Retina,

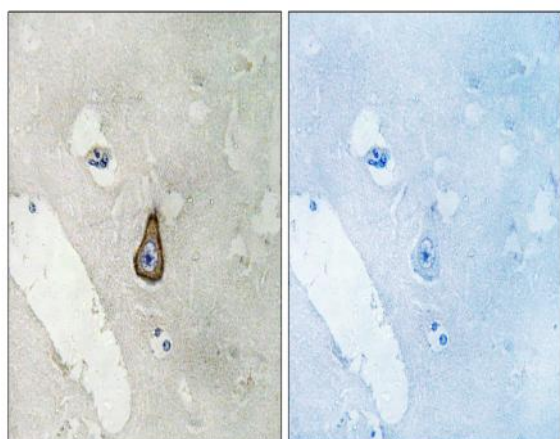
## Products Images



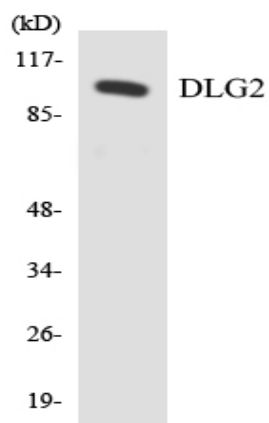
Western Blot analysis of 293T-UV cells using PSD-93 Polyclonal Antibody diluted at 1:1000



Western blot analysis of DLG2 Antibody. The lane on the right is blocked with the DLG2 peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using DLG2 Antibody. The lane on the right is blocked with the DLG2 peptide.



Western blot analysis of the lysates from HeLa cells using DLG2 antibody.