

Anti-DLG4 Antibody (7Y949)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human, Mouse, Rat
Conjugation:	Unconjugated
Clone:	7Y949
Purification:	Affinity-chromatography

Applications

	Western Blot
	-Positive WB detected in: Rat Brain whole cell lysate, Mouse Brain whole cell lysate
Verified Activity:	-All lanes: PSD95 antibody at 1:1000
	-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution
	-Predicted band size: 81, 86, 81 kDa
	-Observed band size: 95 kDa
Application:	ELISA, WB
Recommended	WB:1:500-1:5000.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human PSD95
Antigen Species:	Human
Gene ID:	1742
Uniprot ID:	P78352
Biology Area:	Neuroscience

Research Background

Postsynaptic scaffolding protein that plays a critical role in synaptogenesis and synaptic plasticity by providing a platform for the postsynaptic clustering of crucial synaptic proteins. Interacts with the cytoplasmic tail of NMDA receptor subunits and shaker-type potassium channels. Required for synaptic plasticity associated with NMDA receptor signaling. Overexpression or depletion of DLG4 changes the ratio of excitatory to inhibitory synapses in hippocampal neurons. May reduce the amplitude of ASIC3 acid-evoked currents by retaining the channel intracellularly. May regulate the intracellular trafficking of ADR1B. Also regulates AMPA-type glutamate receptor (AMPA) immobilization at postsynaptic density keeping the channels in an activated state in the presence of glutamate and preventing synaptic depression.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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