Data Sheet (Cat.No.TMAC-03450)

Anti-DLG4 Antibody (7K534)

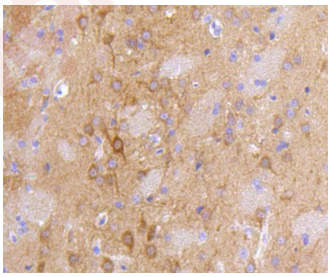
Product Details

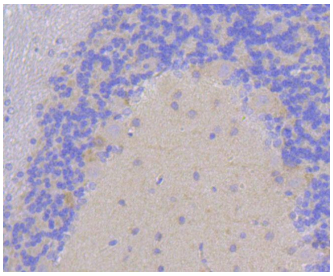
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 100 kDa.
Clone:	7K534
Purification:	Affinity-chromatography

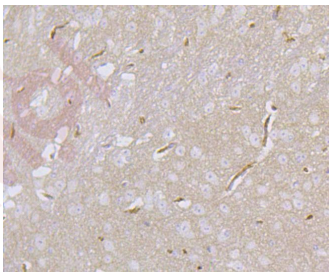
Applications

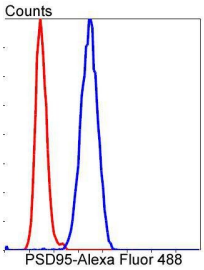
Verified Activity:

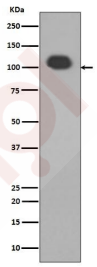
1. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-PSD95 antibody. Counter stained with hematoxylin.
2. Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue using anti-PSD95 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse cerebullum tissue using anti-PSD95 antibody. Counter stained with hematoxylin.
4. Flow cytometric analysis of SH-SY-5Y cells with PSD95 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.
5. Western blot analysis of PSD95 expression in Mouse brain tissue lysate.
6. Immunofluorescent analysis of U87-MG cells, using PSD95 Antibody .

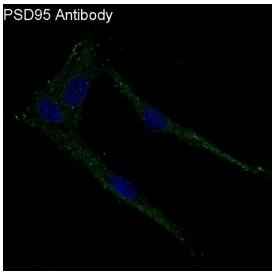












Application:	FCM,ICC/IF,IHC,IP,WB
Recommended	WB: 1:1000-2000 IHC: 1:100-200; ICC/IF: 1:50-200; IP: 1:20-50; FCM: 1:20-100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human Disks large homolog 4
Antigen Species:	human
Uniprot ID:	P78352
Synonyms:	PSD95;Synapse-associated protein 90 (SAP-90;Postsynaptic density protein 95 (PSD-95);PSD 95;Disks large homolog 4;SAP90)

Research Background

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.

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