

Datasheet for ABIN1742271
anti-DLG4 antibody (AA 18-32)



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Overview

Quantity:	200 µL
Target:	DLG4
Binding Specificity:	AA 18-32
Reactivity:	Rat, Mouse, Human, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DLG4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Synthetic peptide DTPPLEHSPAHLPNQ (aa 18-32 in rat) coupled to key-hole limpet hemocyanin via an added N-terminal cysteine residue.
Specificity:	Specific for PSD 95.
Purification:	antiserum

Target Details

Target:	DLG4
Alternative Name:	PSD 95 (DLG4 Products)
Background:	Synonyms: SAP 90, DLG 4
Pathways:	Regulation of Muscle Cell Differentiation , Synaptic Membrane , Skeletal Muscle Fiber

Target Details

Development, Asymmetric Protein Localization, Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes: WB: 1 : 1000 (AP staining)

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS

Handling Advice: Crude antisera are more robust than monoclonals. With anti-microbials added, they may be stored at 4 °C.

Serum does not contain active proteases, in fact, serum itself contains a powerful cocktail of protease inhibitors. Frozen storage (-20 °C), however, is preferable.

Storage: 4 °C/-20 °C

Storage Comment: Unlabeled antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4 °C for several years.

Publications

Product cited in: Casciati, Dobos, Antonelli, Benedek, Kempf, Bellés, Balogh, Tanori, Heredia, Atkinson, von Toerne, Azimzadeh, Saran, Sáfrány, Benotmane, Linares-Vidal, Tapio, Lumniczky, Pazzaglia: "Age-related effects of X-ray irradiation on mouse hippocampus." in: **Oncotarget**, Vol. 7, Issue 19, pp. 28040-58, (2018) ([PubMed](#)).

Bitencourt, Alpár, Cinquina, Ferreira, Pinheiro, Lemos, Ledent, Takahashi, Sialana, Lubec, Cunha, Harkany, Köfalvi: "Lack of presynaptic interaction between glucocorticoid and CB1 cannabinoid receptors in GABA- and glutamatergic terminals in the frontal cortex of laboratory rodents." in: **Neurochemistry international**, Vol. 90, pp. 72-84, (2015) ([PubMed](#)).

Dervola, Johansen, Walaas, Fonnum: "Gender-dependent and genotype-sensitive monoaminergic changes induced by polychlorinated biphenyl 153 in the rat brain." in: **Neurotoxicology**, Vol. 50, pp. 38-45, (2015) ([PubMed](#)).

Publications

Li, Hu, Höfer, Wong, Cooper, Birnbaum, Hammer, Hofmann: "DHHC5 interacts with PDZ domain 3 of post-synaptic density-95 (PSD-95) protein and plays a role in learning and memory." in: **The Journal of biological chemistry**, Vol. 285, Issue 17, pp. 13022-31, (2010) ([PubMed](#)).

Smalla, Sahin, Putzke, Tischmeyer, Gundelfinger, Kreutz: "Altered postsynaptic-density-levels of caldendrin in the para-chloroamphetamine-induced serotonin syndrome but not in the rat ketamine model of psychosis." in: **Neurochemical research**, Vol. 34, Issue 8, pp. 1405-9, (2009) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

Images



Western Blotting

Image 1. dilution: 1 : 1000, sample: crude synaptosomal fraction of rat brain (P2)