ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Goat anti-GLuR5 / GRIK1 Antibody

Item Number	dAP-1168
Target Molecule	Principle Name: GLuR5 / GRIK1; Official Symbol: GRIK1; All Names and Symbols: GLUR5; GRIK1; glutamate receptor, ionotropic, kainate 1; EAA3 ; EEA3 ; GLR5 ; excitatory amino acid receptor 3; Accession Number (s): NP_000821.1; NP_783300.1; Human Gene ID(s): 2897; Non-Human GeneID(s): 14805 (mouse) 29559 (rat)
Immunogen	QCKQTHPTNSTS, is from internal region (near the C Terminus) This antibody is expected to recognise both reported isoforms according to NP_000821.1 and NP_783300.1.
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconsititute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 8000.
Western Blot	Western Blot: Approx 150kDa band observed in Human Brain (Cerebellum and Cerebral Cortex) lysates (calculated MW of 104kDa according to NP_000821.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (
IHC	Immunohistochemistry: Paraffin embedded Human Brain (Cortex). Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Martin S, Nishimune A, Mellor JR, Henley JM. SUMOylation regulates kainate-receptor-mediated synaptic transmission. Nature. 2007 May 17;447(7142):321-5. Epub 2007 May 7..PMID: 17486098 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

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