

Grik5 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253799

Unit: 0.1 mg

Description:

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. Grik5, also known as kainate-preferring glutamate receptor subunit KA2, belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. Grik5 is highly homologous to the related ionotropic glutamate receptor Grik4 (also known as KA1). Like Grik4, Grik5 does not form homomeric channels, but instead forms heteromers with Grik2. In Grik2- but not Grik1-null mice, Grik5 surface expression is greatly reduced in neurons, indicating that Grik2/Grik5 heteromers are required for exit from the endoplasmic reticulum to the cell surface. This Grik5 antibody does not cross-react with Grik4.

Isotype: Rabbit Ig

Applications: E, IF, IHC, WB

Species Reactivity: H, M, R

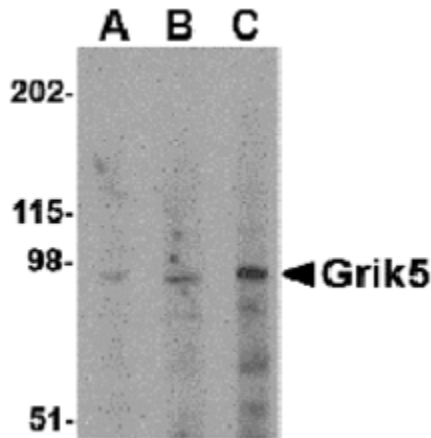
Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Grik5; Glutamate receptor ionotropic kainate 5; KA2; excitatory amino acid receptor 2; eea2; GluK5; Glutamate receptor KA-2; GRIK2

Accession No.: NP_002079

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Grik5.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500; IF: 1:50-1:200



Western blot analysis of Grik5 in human brain tissue lysate with Grik5 Antibody (Cat. No. 253799) at (A) 0.5, (B) 1 and (C) 2 ug/mL.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.