

Recombinant Glutamate receptor 3 Monoclonal Antibody

catalog number: **AN301945L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

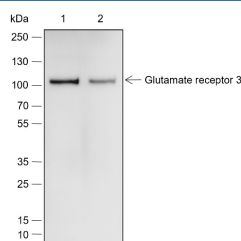
Reactivity	Rat;Mouse
Immunogen	Recombinant human Glutamate receptor 3 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A661
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000
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Data



Western Blot with Glutamate receptor 3 Monoclonal Antibody at dilution of 1:1000. Lane 1: Mouse brain, Lane 2: Rat brain

Observed-MW:101 kDa
Calculated-MW:101 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

AMPA receptors (AMPArs) are comprised of four subunits (GluR 1-4) that assemble as homo- or hetero-tetramers and mediate the majority of fast excitatory transmissions in the CNS. AMPARs are implicated in synapse formation, stabilization and plasticity. Glutamate receptor 3 (GluR3) knockout mice exhibited normal basal synaptic transmission and long-term depression (LTD) but enhanced long-term potentiation (LTP). In contrast, GluR 2/3 double knockout mice are impaired in basal synaptic transmission. Aberrant GluR3 expression or activity is implicated in a number of diseases, including autoimmune epilepsy, X-linked mental retardation, Rett's syndrome, amyotrophic lateral sclerosis and Alzheimer disease.

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