

BP513**Polyclonal Antibody to Glutamate receptor 5 / GLUR5 - Purified**

Alternate names:	EAA3, Excitatory amino acid receptor 3, GRIK1, Glutamate receptor ionotropic kainate 1
Quantity:	1 ml
Concentration:	3.6 mg/ml
Background:	Ionotropic glutamate receptor. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist. May be involved in the transmission of light information from the retina to the hypothalamus.
Uniprot ID:	P39086
NCBI:	NP_000821.1
GeneID:	2897
Host:	Sheep
Immunogen:	Synthetic peptide corresponding to part of the native molecule conjugated to Keyhole limpet Haemocyanin. > 90 % pure 14 amino acid sequence, from the C terminal of Glutamate Receptor 5, beyond the MSR IV region, conjugated with KLH.
Format:	State: Liquid Ig fraction Purification: Chromatography on Protein G Reconstitution: PBS, pH 7.2, 0.09 % Sodium Azide
Applications:	ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific for Glutamate Receptor 5 and is not expected to react with other Glutamate. Species: Human. Other species not tested.
Storage:	Store the antibody at -20 °C. Can be shipped at 2 - 8 °C. Avoid repeated freezing and thawing. Shelf life: One year from despatch.