AssayGenie

CABP0257

Product Information Product SKU: CABP0257 Gene ID: 2891 100uL Size: Clone No: **Host Species:** Rabbit Reactivity: Human, Mouse, Rat **Additional Information Observed MW**: 120kDa Unconjugated Conjugate: Calculated MW: 99kDa Isotype: lgG

Immunogen Information

Background:	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain
	and are activated in a variety of normal neurophysiologic processes. This gene product belongs to a
	family of glutamate receptors that are sensitive to alpha-amino-3-hydroxy-5-methyl-4-isoxazole
	propionate (AMPA), and function as ligand-activated cation channels. These channels are assembled
	from 4 related subunits, GRIA1-4. The subunit encoded by this gene (GRIA2) is subject to RNA editing
	(CAG->CGG; Q->R) within the second transmembrane domain, which is thought to render the
	channel impermeable to Ca(2+). Human and animal studies suggest that pre-mRNA editing is essential
	for brain function, and defective GRIA2 RNA editing at the Q/R site may be relevant to amyotrophic
	lateral sclerosis (ALS) etiology. Alternative splicing, resulting in transcript variants encoding different
	isoforms, (including the flip and flop isoforms that vary in their signal transduction properties), has been
	noted for this gene.
Recommended Dilution:	WB,1:500 - 1:2000
Synonyms:	GLUR2; GLURB; GluA2; HBGR2; NEDLIB; gluR-2; gluR-B; GluR-K2; Phospho-GluR2/GRIA2-S880
Purifcation Method:	Affinity purification
Immunogen:	A phospho specific peptide corresponding to residues surrounding S880 of human GluR2/GRIA2
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.