

MaxPab®

GRIK1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002897-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human GRIK1 protein.
Immunogen	GRIK1 (AAI52728.1, 1 a.a. ~ 905 a.a) full-length human protein.
Sequence	MEHGTLAQPGLWTRDTSWALLYFLCYLPQTAPQVLRIGGIFETVENEPVNVEELAFKFAVTSINR NRTLMPNTTLTYDIQRINLFDSEASRRACDQLALGVAALFGPSHSSSVSAVQSICNALEVPHIQTR WKHPSVDNKDLFYINLYPDYAAISRAILDVLYYNWKTVTVVYEDSTGLIRLQELIKAPSRYNIKIKIRQ LPSGNKDAKPLLKEMKKGKEFYVIFDCSHETAAEILKQILFMGMMTEYYHYFFTLDLFALDLELYR YSGVNMTGFRLLNIDNPHVSSIIKWSMERLQAPPRPETGLLDGMMTTEAALMYDAVYMVAIASHR ASQLTVSSLQCHRHKPWRLGPRFMNLIKEARWDGLTGHTFNKTNGLRKDFDLDISLKEEGTEKIG WNSNSGLNMTDSNKDKSSNITDSLANRTLVTILEEPYVMYRKSDKPLYGNDRFEGYCLDLLKEL SNILGFYDVKLVPDGKYGAQNDKGEWNGMVKELIDHRADLAVAPLTITYVREKVIDFSKPFMTLGI SILYRKPNGTNPVGFSLNPLSPDIWMYVLLACLGVSCLFVIARFTPYEWYNPHPCNPDSDDVEN NFTLLNSFWFGVGMALMQQGSSELMPKALSTRVGGWWFFTLIISSYTANLAAFLTVERMESPIDSA DDLAKQTKIEYGAVRDGSTMTFFKKSISTYKMWAFMSSRQQTALVRNSDEGIQRVLTDDYALL MESTSIEYVTQRNCNLTIQIGGLIDSKGYGVGTPIGSPYRDKITAILQLQEEGKLHMMKEKWWRGNG CPEEDNKEASALGVENIGGIFVLAAGLVLSVFVAIGEFYKSRKNNDIEQCLSFNAIMEELGISLKNQ KKIKKKSRTKGKSSFTSILTCHQRRTQRKETVA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (93)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — GRIK1

Entrez GeneID [2897](#)

GeneBank Accession# [BC152727.1](#)

Protein Accession# [AAI52728.1](#)

Gene Name GRIK1

Gene Alias EAA3, EEA3, GLR5, GLUR5

Gene Description glutamate receptor, ionotropic, kainate 1

Omim ID [138245](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is subject to RNA editing (CAG->CGG; Q->R) within the second transmembrane domain, which is thought to alter the properties of ion flow. Alternative splicing, resulting in transcript variants encoding different isoforms, has been noted for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000096569|excitatory amino acid receptor 3|glutamate receptor 5

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Adenocarcinoma](#)
- [Alcoholism](#)
- [Cognition](#)

- [Depressive Disorder](#)
- [Disease Models](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)