DNAxPAb | Hard-to-Find Antibody

GLUL DNAxPab

Catalog # H00002752-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human GLUL DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MTTSASSHLNKGIKQVYMSLPQGEKVQAMYIWIDGTGEGLRCKTRTLDSEPKCVEELPEWNFDG SSTLQSEGSNSDMYLVPAAMFRDPFRKDPNKLVLCEVFKYNRRPAETNLRHTCKRIMDMVSNQH PWFGMEQEYTLMGTDGHPFGWPSNGFPGPQGPYYCGVGADRAYGRDIVEAHYRACLYAGVKIA GTNAEVMPAQWEFQIGPCEGISMGDHLWVARFILHRVCEDFGVIATFDPKPIPGNWNGAGCHTNF STKAMREENGLKYIEEAIEKLSKRHQYHIRAYDPKGGLDNARRLTGFHETSNINDFSAGVANRSASI RIPRTVGQEKKGYFEDRRPSANCDPFSVTEALIRTCLLNETGDEPFQYKN
Host	Rabbit
Reactivity	Human
Purification	Protein A
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

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — GLUL

Entrez GeneID	2752
GeneBank Accession#	NM_002065.4
Protein Accession#	NP_002056.2
Gene Name	GLUL
Gene Alias	GLNS, GS, PIG43, PIG59
Gene Description	glutamate-ammonia ligase (glutamine synthetase)
Omim ID	138290 610015
Gene Ontology	Hyperlink
Gene Summary	Glutamine is a main source of energy and is involved in cell proliferation, inhibition of apoptosis, and cell signaling (Haberle et al., 2005 [PubMed 16267323]). Fetal glutamine requirements are very high and depend largely on active glutamine synthesis and the release of glutamine into the fetal circulation by the placenta. Glutamine synthetase (EC 6.3.1.2), also called glutamate-ammonia ligase (GLUL), is expressed throughout the body and plays an important role in controlling body pH and in removing ammonia from the circulation. The enzyme clears L-glutamate, the major neurotransmitter in the central nervous system, from neuronal synapses (see references in Clancy et al., 1996 [PubMed 8975719]).[supplied by OMIM
Other Designations	OTTHUMP00000035524|OTTHUMP00000035525|cell proliferation-inducing protein 59|glutamate-ammonia ligase (glutamine synthase)|glutamine synthetase|proliferation-inducing protein 43

Pathway

- Alanine
- Arginine and proline metabolism
- Metabolic pathways
- Nitrogen metabolism

Disease

- Cognition
- Genetic Predisposition to Disease
- Schizophrenia
- Schizophrenic Psychology
- Weight Gain