

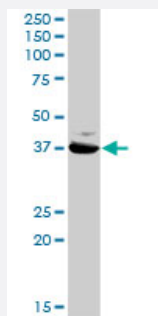
MaxPab®

GLUL purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00002752-D01P

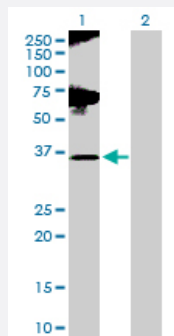
Size 100 ug

Applications



Western Blot (Tissue lysate)

GLUL MaxPab rabbit polyclonal antibody. Western Blot analysis of GLUL expression in mouse liver.



Western Blot (Transfected lysate)

Western Blot analysis of GLUL expression in transfected 293T cell line ([H00002752-T01](#)) by GLUL MaxPab polyclonal antibody.

Lane 1: GLUL transfected lysate(42.10 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human GLUL protein.

Immunogen

GLUL (NP_002056.2, 1 a.a. ~ 373 a.a) full-length human protein.

Sequence

MTTSASSHLNKGIKQVYMSLPQGEKVQAMYWIDGTGEGLRCKTRTLTDSEPKCVEELPEWNFDG
SSTLQSEGSNSDMYLVPAAMFRDPFRKDPNKLVLCEVFKYNNRPAETNLRHTCKRIMDMVSNQH
PWFGMEQEYTLMGTDGHPFGWPSNGFPGPQGPYYCGVGADRAYGRDMEAHYRACLYAGVKIA
GTNAEVMPAQWEFQIGPCEGISMGDHLWVARFILHRVCEDFGVIATFDPKPIPGNWNAGAGCHTNF
STKAMREENGLKYIEEAIEKLSKRHQYHIRAYDPKGGLDNARRLTGFHETSNINDFSAGVANRSASI
RIPRTVGQEKKGYFEDRRPSANCDPFSVTEALIRTCLLNETGDEPFQYKN

Host

Rabbit

Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (95); Rat (92)
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 (Tissue lysate)

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[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of GLUL expression in transfected 293T cell line ([H00002752-T01](#)) by GLUL MaxPab polyclonal antibody.

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[Protocol Download](#)

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](#)