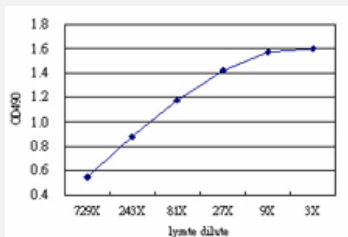


GLUL (Human) Matched Antibody Pair

Catalog # H00002752-AP51

Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the GLUL 293T overexpression lysate (non-denatured).

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human GLUL.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94%); Rat (92%)
Quality Control Testing	Standard curve using GLUL 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the GLUL 293T overexpression lysate (non-denatured).
Supplied Product	Antibody pair set content: 1. Capture antibody: mouse monoclonal anti-GLUL (100 ug) 2. Detection antibody: rabbit purified polyclonal anti-GLUL (50 ug) *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Transfected lysate)

[Protocol Download](#)

Gene Info — GLUL

Entrez GeneID [2752](#)

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](#)