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anti-GLUL antibody (C-Term)

Images



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Quantity:	100 μL
Target:	GLUL
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Zebrafish (Danio rerio), Cow, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLUL antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human GLUL
Sequence:	TGFHETSNIN DFSAGVANRS ASIRIPRTVG QEKKGYFEDR RPSANCDPFS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against GLUL. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	GLUL
Alternative Name:	GLUL (GLUL Products)

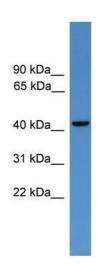
Target Details

Background:	The protein encoded by this gene belongs to the glutamine synthetase family. It catalyzes the
	synthesis of glutamine from glutamate and ammonia. Glutamine is a main source of energy
	and is involved in cell proliferation, inhibition of apoptosis, and cell signaling. This gene is
	expressed during early fetal stages, and plays an important role in controlling body pH by
	removing ammonia from circulation. Mutations in this gene are associated with congenital
	glutamine deficiency. Several alternatively spliced transcript variants have been found for this
	gene.
	Alias Symbols: GLNS, GS, PIG43, PIG59
	Protein Interaction Partner: GLUL, SUMO2, UBC, FAM129B, CYP39A1, RABEPK, SKIL, NFKB1,
	UBD, RBBP6, PPARD, HIPK1, PIAS3, HIPK3, CASP8AP2, PIAS2, PIAS1, UBE2I, ND5, PLEKHF2,
	NUDT18, DYNLL1, HTR2A,
	Protein Size: 373
Molecular Weight:	42 kDa
Gene ID:	2752
NCBI Accession:	NM_002065, NP_002056
UniProt:	P15104
Pathways:	Positive Regulation of Peptide Hormone Secretion
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 373 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



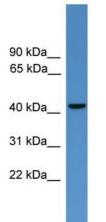
Western Blotting

Image 1. WB Suggested Anti-GLUL Antibody Titration: 0.2-

1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Human brain



Rabbit Anti-GLUL Antibody Catalog Number: ARP59597 Lot Number: QC30550 Lane: Fetal Brain Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-GLUL

Antibody Titration: 0.2-1 μ g/mL ELISA Titer: 1:1562500

Positive Control: Human brain