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## Datasheet for ABIN652757 anti-Glutaminase antibody (C-Term)

7 Images

1 Publication



#### Overview

Quantity:	200 μL
Target:	Glutaminase (GLS)
Binding Specificity:	AA 516-545, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glutaminase antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	This GLS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 516-545 amino acids from the C-terminal region of human GLS.
Clone:	RB22875
lsotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	

Target:

Glutaminase (GLS)

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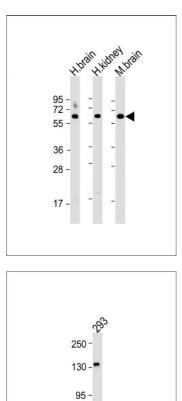
Target Details	
Alternative Name:	GLS (GLS Products)
Background:	Sahai (1983) demonstrated phosphate-activated glutaminase (EC 3.5.1.2) in human platelets. It is the major enzyme yielding glutamate from glutamine. Significance of the enzyme derives from its possible implication in behavior disturbances in which glutamate acts as a neurotransmitter(Prusiner, 1981). High heritability of platelet glutaminase was indicated by studies of Sahai and Vogel (1983) [PubMed 6682827] who found an intraclass correlation coefficient of 0.96 for monozygotic twins and 0.53 for dizygotic twins.
Molecular Weight:	73461
Gene ID:	2744
NCBI Accession:	NP_001243239, NP_055720
UniProt:	094925
Pathways:	Feeding Behaviour, Dicarboxylic Acid Transport, Warburg Effect
Application Details	
Application Notes:	WB: 1:1000. WB: 1:1000. IF: 1:25. IF: 1:25. IF: 1:25. WB: 1:1000. WB: 1:2000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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 Advice:	Avoid freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.
Expiry Date:	6 months

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#### Product cited in:

Gehrke, Wörns, Huber, Hess, Straub, Hövelmeyer, Waisman, Kim, Schuppan, Galle, Schattenberg: "Hepatic B cell leukemia-3 promotes hepatic steatosis and inflammation through insulin-sensitive metabolic transcription factors." in: **Journal of hepatology**, Vol. 65, Issue 6, pp. 1188-1197, (2018) (PubMed).

#### Images



72

55

#### Western Blotting

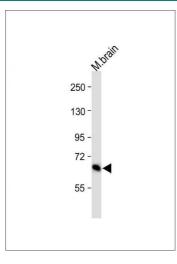
**Image 1.** All lanes : Anti-GLS Antibody (C-term) at 1:2000 dilution Lane 1: human brain lysate Lane 2: human kidney lysate Lane 3: mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 73 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

#### Western Blotting

**Image 2.** All lanes : Anti-GLS Antibody (C-term) at 1:1000 dilution Lane 1: 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Observed band size : 65 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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#### Images



#### Western Blotting

**Image 3.** All lanes : Anti-GLS Antibody (C-term) at 1:1000 dilution Lane 1: mouse brain lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Observed band size : 65 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 7 images are available for ABIN652757.