Rabbit anti-Human, Mouse GLS Polyclonal Antibody | anti-GLS antibody

GLS Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA37549	**Rabbit**	**Human, Mouse**	**Immunoprecipitation, Immunohistochemistry, Western Blot**

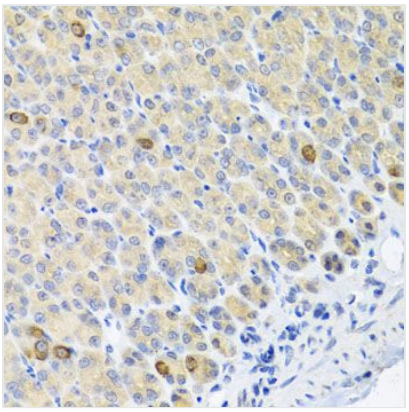
PRODUCT SYNONYMS

GLS; Polyclonal Antibody; GLS Polyclonal Antibody; GAC; GAM; KGA; GLS1; AAD20; anti-GLS antibody

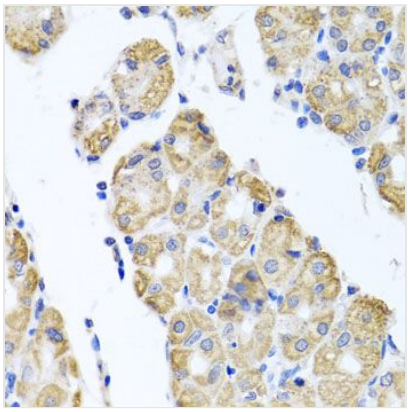
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	669
Applicable Applications for anti-GLS antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human GLS
Calculated Molecular Weight	73kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

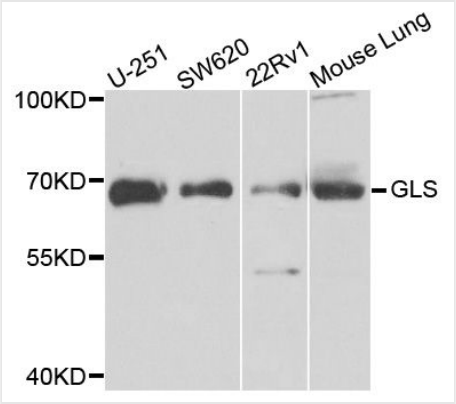
IMAGES



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded mouse stomach using GLS antibody at dilution of 1:100 (40x lens).



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human stomach using GLS antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using GLS antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-GLS antibody	This gene encodes the K-type mitochondrial glutaminase. The encoded protein is an phosphate-activated amidohydrolase that catalyzes the hydrolysis of glutamine to glutamate and ammonia. This protein is primarily expressed in the brain and kidney plays an essential role in generating energy for metabolism, synthesizing the brain neurotransmitter glutamate and maintaining acid-base balance in the kidney. Alternate splicing results in multiple transcript variants.
Product Categories/Family for anti-GLS antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	12643334
NCBI GeneID	2744
UniProt Accession #	O94925; Q9UL05; Q9UL06; Q9UL07; Q9UN40
Molecular Weight	669
NCBI Official Full Name	Glutaminase kidney isoform, mitochondrial
NCBI Official Synonym Full Names	glutaminase
NCBI Official Symbol	GLS
NCBI Official Synonym Symbols	GAC; GAM; KGA; GLS1; AAD20
NCBI Protein Information	glutaminase kidney isoform, mitochondrial; K-glutaminase; glutaminase C; L-glutamine amidohydrolase; glutaminase, phosphate-activated
UniProt Protein Name	Glutaminase kidney isoform, mitochondrial
UniProt Gene Name	**GLS**
UniProt Synonym Gene Names	GLS1; KIAA0838; GLS
UniProt Entry Name	GLSK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/gls-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/37549