

Rabbit GLS Polyclonal Antibody | anti-GLS antibody

GLS Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA175704	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

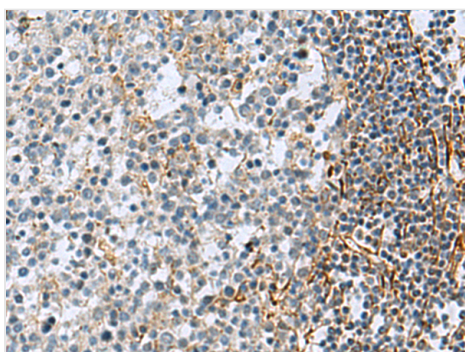
PRODUCT SYNONYMS

GLS; Polyclonal Antibody; GLS Polyclonal Antibody; AAD20; DKFZp686O15119; FLJ10358; GAC; GAM; GLS1; GLSK; Glutaminase C; Glutaminase kidney isoform; Glutaminase phosphate activated; K-glutaminase; KGA; KIAA0838; L-glutamine amidohydrolase; Mitochondrial; anti-GLS antibody

PRODUCT SPECIFICATIONS

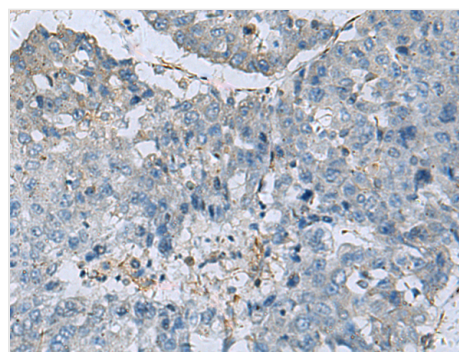
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4
Concentration	1.02mg/mL (varies by lot)
Sequence Length	669
Applicable Applications for anti-GLS antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic peptide of human GLS
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



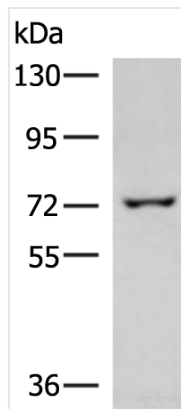
IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded Human tonsil tissue using GLS Polyclonal Antibody at dilution of 1:70(×200)



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using GLS Polyclonal Antibody at dilution of 1:70(×200)



WB (Western Blot)
Western blot analysis of 293T cell lysate using GLS Polyclonal Antibody at dilution of 1:850

ADDITIONAL INFORMATION

Related Product Information for anti-GLS antibody	GLS,also named as GLS1 and KIAA0838,belongs to the glutaminase family. It catalyzes the first reaction in the primary pathway for the renal catabolism of glutamine. Glutaminase-,glutamate-,and taurine-immunoreactive neurons develop neurofibrillary tangles in Alzheimer's disease.The glutaminase band in AA/C1 cells is more intense than in HT29 cells,in accordance with measurements of glutaminase activity,and had the same molecular mass of approx. 63 kDa. The bands for both cell lines are clearly different in size from both rat liver glutaminase (58 kDa) and rat kidney glutaminase (65 kDa). It also reveals a molecular weight of 83-84 kDa as a phosphate-dependent glutaminase. It has 3 isoforms named as KGA,GAM,GAC.
Product Categories/Family for anti-GLS antibody	Cancer; Metabolism; Neuroscience; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	12643334
NCBI GeneID	2744
UniProt Accession #	O94925
Molecular Weight	73 kDa
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; GDPAG; CASGID; EIEE71
NCBI Protein Information	glutaminase kidney isoform, mitochondrial
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.