

Rabbit GLS2 Polyclonal Antibody | anti-GLS2 antibody

GLS2 Rabbit pAb

CATALOG # AAA281609	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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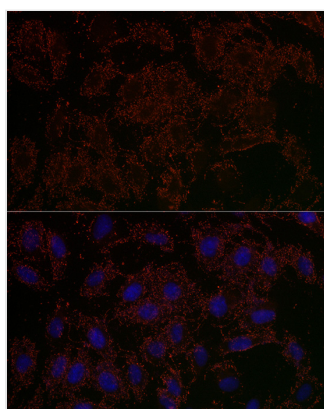
PRODUCT SYNONYMS

GLS2; Polyclonal Antibody; GLS2 Rabbit pAb; GA; GLS; LGA; hLGA; anti-GLS2 antibody

PRODUCT SPECIFICATIONS

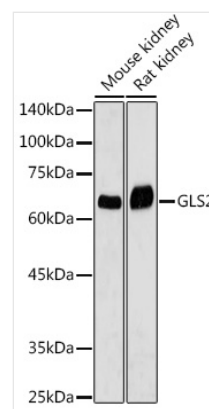
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-GLS2 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human GLS2
Cellular Location	Mitochondrion
Positive Samples	Mouse kidney, Rat kidney
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using GLS2 Rabbit pAb at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using GLS2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-GLS2 antibody	Background: The protein encoded by this gene is a mitochondrial phosphate-activated glutaminase that catalyzes the hydrolysis of glutamine to stoichiometric amounts of glutamate and ammonia. Originally thought to be liver-specific, this protein has been found in other tissues as well. Alternative splicing results in multiple transcript variants that encode different isoforms.
Product Categories/Family for anti-GLS2 antibody	Endocrine & Metabolism; Mitochondrial metabolism; Mitochondrial markers; Research; Endocrine & Metabolism; Amino acid metabolism; Research; Endocrine & Metabolism; Warburg Effect; Research; Cell Biology & Developmental Biology; Ferroptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	526118241
NCBI GeneID	27165
NCBI Accession #	NP_001267726.1
NCBI GenBank Nucleotide #	NM_001280797.1
UniProt Accession #	Q9UI32; Q8IX91; Q9NYY2; Q9UI31
Molecular Weight	66,323 Da
NCBI Official Full Name	glutaminase liver isoform, mitochondrial isoform 4
NCBI Official Synonym Full Names	glutaminase 2 (liver, mitochondrial)
NCBI Official Symbol	GLS2
NCBI Official Synonym Symbols	GA; GLS; LGA; hLGA
NCBI Protein Information	glutaminase liver isoform, mitochondrial; glutaminase I; breast cell glutaminase; L-glutamine amidohydrolase; phosphate-activated glutaminase; phosphate-dependent glutaminase
UniProt Protein Name	Glutaminase liver isoform, mitochondrial
UniProt Gene Name	GLS2
UniProt Synonym Gene Names	GA; GLS
UniProt Entry Name	GLSL_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://stage.aaabiotech.com/polyclonal/gls2-antibody-immunofluorescence-western-blot-elisa/281609>