Rabbit GCLC Polyclonal Antibody | anti-GCLC antibody

GCLC Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280966	**Rabbit**	**Human, Mouse, Rat**	**Immunocytochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

GCLC; Polyclonal Antibody; GCLC Polyclonal Antibody; GCL; GCS; GLCL; GLCLC; anti-GCLC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence Length	599
Applicable Applications for anti-GCLC antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-152 of human GCLC (NP_001489.1)
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescence analysis of L929 cells using GCLC Rabbit pAb (AAA280966) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

WB (Western Blot)
Western blot analysis of extracts of various cell lines, using GCLC antibody (AAA280966) at 1:3000 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: 3s.

WB (Western Blot)
Western blot analysis of extracts of various cell lines, using GCLC antibody at 1:3000 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: 3s.

ADDITIONAL INFORMATION

Related Product Information for anti-GCLC antibody	Glutamate-cysteine ligase, also known as gamma-glutamylcysteine synthetase is the first rate-limiting enzyme of glutathione synthesis. The enzyme consists of two subunits, a heavy catalytic subunit and a light regulatory subunit. This locus encodes the catalytic subunit, while the regulatory subunit is derived from a different gene located on chromosome 1p22-p21. Mutations at this locus have been associated with hemolytic anemia due to deficiency of gamma-glutamylcysteine synthetase and susceptibility to myocardial infarction.
Product Categories/Family for anti-GCLC antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	308199423
NCBI GeneID	2729
NCBI Accession #	NP_001184044.1
NCBI GenBank Nucleotide #	NM_001197115.1
UniProt Accession #	P48506; Q14399
Molecular Weight	Calculated: 72kDa Observed: 72kDa
NCBI Official Full Name	glutamate--cysteine ligase catalytic subunit isoform b
NCBI Official Synonym Full Names	glutamate-cysteine ligase catalytic subunit
NCBI Official Symbol	GCLC
NCBI Official Synonym Symbols	GCL; GCS; GLCL; GLCLC
NCBI Protein Information	glutamate--cysteine ligase catalytic subunit
UniProt Protein Name	Glutamate--cysteine ligase catalytic subunit
UniProt Gene Name	**GCLC**
UniProt Synonym Gene Names	GLCL; GLCLC

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/gclc-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/280966