

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

GGH Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324740	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

GGH; Polyclonal Antibody; GGH Antibody; Conjugase; folylpolygammaglutamyl hydrolase; gamma glutamyl hydrolase; Gamma-Glu-X carboxypeptidase; Gamma-glutamyl hydrolase (conjugase; folylpolygammaglutamyl hydrolase); Gamma-glutamyl hydrolase; GGH_HUMAN; gH; anti-GGH antibody

PRODUCT SPECIFICATIONS

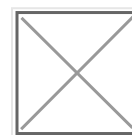
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	GGH antibody detects endogenous levels of total GGH
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	318
Applicable Applications for anti-GGH antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Secreted > Extracellular Space. Lysosome. Melanosome. While its intracellular location is primarily the lysosome, most of the enzyme activity is secreted. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
Predicted Cross Reactivity	Zebrafish, Bovine, Horse, Sheep, Dog, Xenopus
Similarity	Zebrafish (89%), Bovine (80%), Horse (100%), Sheep (80%), Dog (80%), Xenopus (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324740 staining RAW264.7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from RAW264.7 cells, using GGH antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GGH antibody	Function: Hydrolyzes the polyglutamate sidechains of pteroylpolyglutamates. Progressively removes gamma-glutamyl residues from pteroylpoly-gamma-glutamate to yield pteroyl-alpha-glutamate (folic acid) and free glutamate. May play an important role in the bioavailability of dietary pteroylpolyglutamates and in the metabolism of pteroylpolyglutamates and antifolates. Subunit Structure: Homodimer. Similarity: Belongs to the peptidase C26 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503987
NCBI GeneID	8836
NCBI Accession #	NP_003869.1
NCBI GenBank Nucleotide #	NM_003878.2
UniProt Accession #	Q92820
Molecular Weight	Observed: 36 kD Predicted: 36 kDa
NCBI Official Full Name	gamma-glutamyl hydrolase
NCBI Official Synonym Full Names	gamma-glutamyl hydrolase
NCBI Official Symbol	GGH
NCBI Official Synonym Symbols	GH
NCBI Protein Information	gamma-glutamyl hydrolase
UniProt Protein Name	Gamma-glutamyl hydrolase
UniProt Gene Name	GGH

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/ggh-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324740>