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GGH Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12045b

Specification

GGH Antibody (C-term) - Product Information

Application	**IF, WB, IHC-P, FC,E**
Primary Accession	Q92820
Other Accession	NP_003869.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**35964**
Antigen Region	**229-256**

GGH Antibody (C-term) - Additional Information

Gene ID 8836

Other Names
Gamma-glutamyl hydrolase, Conjugase, GH, Gamma-Glu-X carboxypeptidase, GGH

Target/Specificity
This GGH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 229-256 amino acids from the C-terminal region of human GGH.

Dilution
IF~~1:10~50
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GGH Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GGH Antibody (C-term) - Protein Information

Name GGH (HGNC:4248)

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 (PubMed:11005824, PubMed:8816764). May play an important role in the bioavailability of dietary pteroylpolyglutamates and in the metabolism of pteroylpolyglutamates and antifolates.

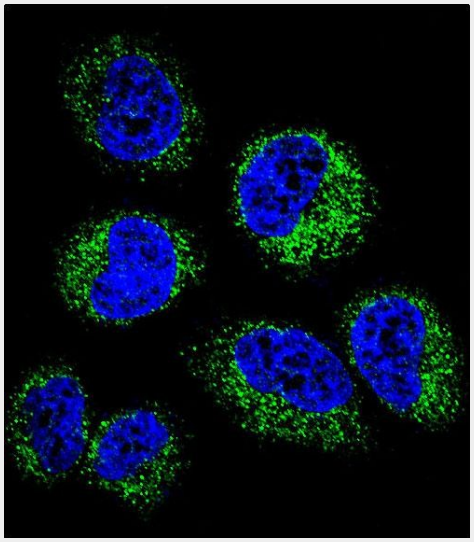
Cellular Location
Secreted, extracellular space. Lysosome. Melanosome. Note=While its intracellular location is primarily the lysosome, most of the enzyme activity is secreted Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

GGH Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

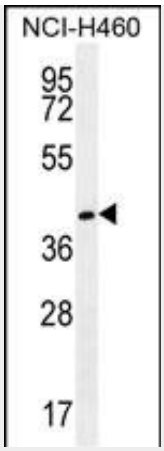
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GGH Antibody (C-term) - Images

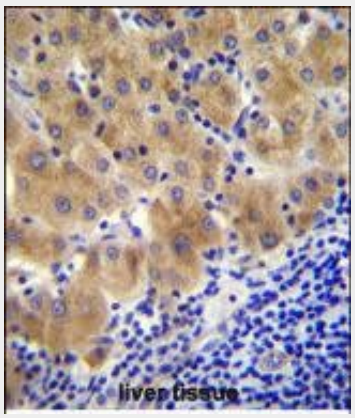


Confocal immunofluorescent analysis of GGH Antibody (C-term)(Cat#AP12045b) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).

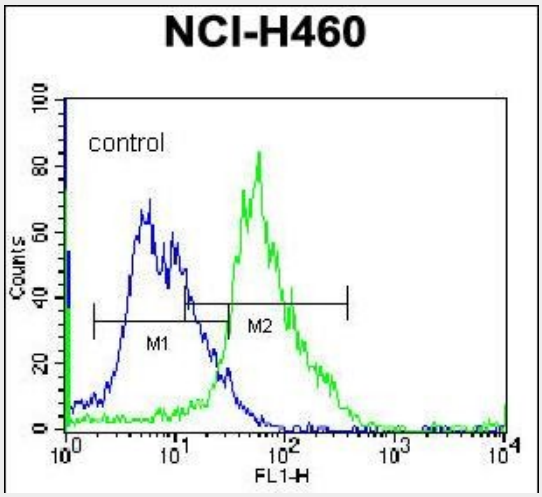
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GGH Antibody (C-term) (Cat. #AP12045b) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the GGH antibody detected the GGH protein (arrow).



GGH Antibody (C-term) (Cat. #AP12045b)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of GGH Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



GGH Antibody (C-term) (Cat. #AP12045b) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

GGH Antibody (C-term) - Background

This gene catalyzes the hydrolysis of folylpoly-gamma-glutamates and antifolylpoly-gamma-glutamates by the removal of gamma-linked polyglutamates and glutamate. [provided by RefSeq].

GGH Antibody (C-term) - References

Adjei, A.A., et al. J Thorac Oncol 5(9):1346-1353(2010)
Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010)
Organista-Nava, J., et al. Leuk. Res. 34(6):728-732(2010)
Figueiredo, J.C., et al. Cancer Causes Control 21(4):597-608(2010)
Dervieux, T., et al. Pharmacogenet. Genomics (2009) In press :