



GGH Polyclonal Antibody

Catalog No	YP-Ab-02640
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	GGH
Immunogen	The antiserum was produced against synthesized peptide derived from human GGH. AA range:251-300
Specificity	GGH Polyclonal Antibody detects endogenous levels of GGH protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Conjugase;EC:3.4.19.9;Gamma-glutamyl hydrolase;Gamma-Glu-X carboxypeptidase;GH;GGH
Observed Band	36kD
Calculated Molecular Weight	36kD
Cell Pathway	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. .
Tissue Specificity	Skin,
Function	catalytic activity:Hydrolysis of a gamma-glutamyl bond.,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.,similarity:Belongs to the peptidase C26 family.,similarity:Contains 1 gamma-glutamyl hydrolase domain.,subcellular location: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.,

Background

This gene catalyzes the hydrolysis of folypoly-gamma-glutamates and antifolypoly-gamma-glutamates by the removal of gamma-linked polyglutamates and glutamate. [provided by RefSeq, Jul 2008],

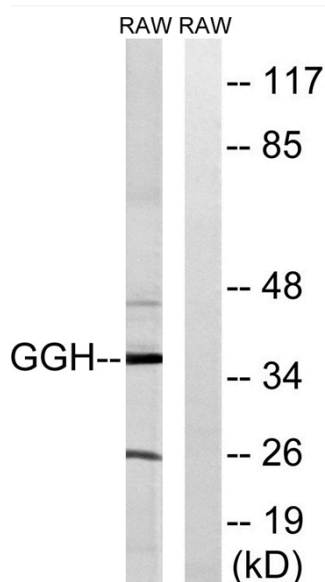
matters needing attention

Avoid repeated freezing and thawing!

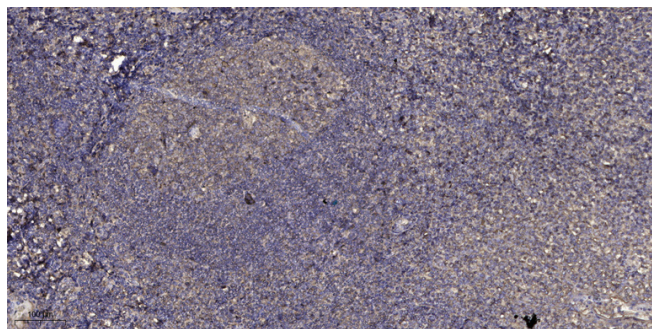
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from RAW264.7 cells, using GGH Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).