

γ-谷氨酰水解酶抗体

产品货号： mIR20360

英文名称： GGH

中文名称： γ-谷氨酰水解酶抗体

别名： Glutamyl hydrolase gamma; Conjugase; EC 3.4.19.9; folylpolygammaglutamyl hydrolase; gamma glutamyl hydrolase; Gamma-Glu-X carboxypeptidase; Gamma-glutamyl hydrolase; GGH; GGH_HUMAN; gH.

研究领域： 肿瘤 细胞生物 信号转导 干细胞 新陈代谢

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500
(石蜡切片需做抗原修复)

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量 : 34kDa

细胞定位 : 细胞浆 分泌型蛋白

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human GGH:151-250/318

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4

保存条件 : Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 background:

GGH is a 318 amino acid protein that is secreted into the extracellular space and is also localized to both the lysosome and the melanosome. Functioning as a hydrolase, GGH contains one gamma-glutamyl hydrolase domain through which it catalyzes the hydrolysis of polyglutamate sidechains from pteroylpolyglutamates, specifically hydrolyzing gamma-glutamyl bonds. Via its catalytic activity, GGH may play a role in the bioavailability and metabolic activity of pteroylpolyglutamates. Polymorphisms in the gene encoding GGH are associated with rheumatoid arthritis, inflammatory bowel disease and various cancers. The gene encoding GGH maps to human chromosome 8, which consists of nearly 146 million base pairs, houses more than 800 genes and is associated with a variety of diseases and malignancies.

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:

Homodimer.

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.

Similarity:

Belongs to the peptidase C26 family.

Contains 1 gamma-glutamyl hydrolase domain.

SWISS:

Q92820

Gene ID:

8836

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片

