

产品名称: GSTA1 Rabbit Polyclonal Antibody
产品货号: APRab11827



产品概述 (Summary)

产品名称 (Production Name)	GSTA1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GSTA1
别名 (Alternative Names)	Glutathione S-transferase A1 (EC 2.5.1.18;GST HA subunit 1;GST class-alpha member 1;GST-epsilon;GSTA1-1;GTH1)
基因 ID (Gene ID)	2938.0
蛋白 ID (SwissProt ID)	P08263.The antiserum was produced against synthesized peptide derived from the Internal region of human GSTA1. AA range:91-140

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:200,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	

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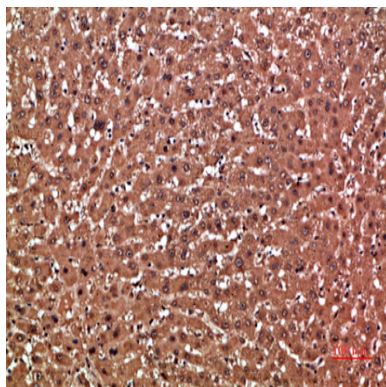
研究背景 (Background)

This gene encodes a member of a family of enzymes that function to add glutathione to target electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins, and products of oxidative stress. This action is an important step in detoxification of these compounds. This subfamily of enzymes has a particular role in protecting cells from reactive oxygen species and the products of peroxidation. Polymorphisms in this gene influence the ability of individuals to metabolize different drugs. This gene is located in a cluster of similar genes and pseudogenes on chromosome 6. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016], catalytic activity: $\text{RX} + \text{glutathione} = \text{HX} + \text{R-S-glutathione}$, domain: The C-terminal domain may form a component of the hydrophobic substrate-binding site, but in contrast appears not to be directly involved in GSH binding and is not absolutely essential for catalytic activity, function: Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles, similarity: Belongs to the GST superfamily, similarity: Belongs to the GST superfamily. Alpha family, similarity: Contains 1 GST C-terminal domain, similarity: Contains 1 GST N-terminal domain, subunit: Homodimer or heterodimer of GSTA1 and GSTA2, tissue specificity: Liver,

研究领域 (Research Area)

Glutathione metabolism; Metabolism of xenobiotics by cytochrome P450; Drug metabolism;

图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:200

注意事项 (Note)

For research use only .