

产品名称: GSTT1/4 Rabbit Polyclonal Antibody
产品货号: APRab11837



产品概述 (Summary)

产品名称 (Production Name)	GSTT1/4 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,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)	GSTT1/GSTT4
别名 (Alternative Names)	GSTT1; Glutathione S-transferase theta-1; GST class-theta-1; Glutathione transferase T1-1; GSTT4; Glutathione S-transferase theta-4; GST class-theta-4
基因 ID (Gene ID)	2952.0
蛋白 ID (SwissProt ID)	P30711/A8MPT4.The antiserum was produced against synthesized peptide derived from human GSTT1/4. AA range:10-59

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	30kDa

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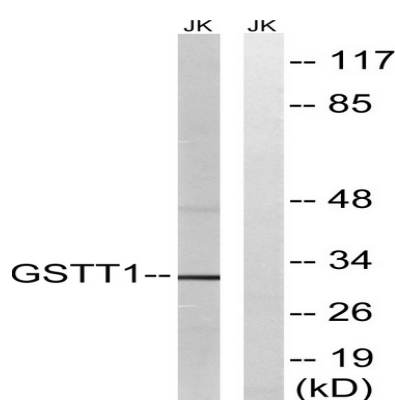
研究背景 (Background)

The protein encoded by this gene, glutathione S-transferase (GST) theta 1 (GSTT1), is a member of a superfamily of proteins that catalyze the conjugation of reduced glutathione to a variety of electrophilic and hydrophobic compounds. Human GSTs can be divided into five main classes: alpha, mu, pi, theta, and zeta. The theta class includes GSTT1, GSTT2, and GSTT2B. GSTT1 and GSTT2/GSTT2B share 55% amino acid sequence identity and may play a role in human carcinogenesis. The GSTT1 gene is haplotype-specific and is absent from 38% of the population. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Sep 2015], catalytic activity: RX + glutathione = HX + R-S-glutathione., function: Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Acts on 1,2-epoxy-3-(4-nitrophenoxy)propane, phenethylisothiocyanate 4-nitrobenzyl chloride and 4-nitrophenethyl bromide. Displays glutathione peroxidase activity with cumene hydroperoxide., online information: The Singapore human mutation and polymorphism database, polymorphism: The GSTT1 gene is absent from 38% of the population. The presence or absence of the GSTT1 gene is coincident with the conjugator (GSST1+) and non-conjugator (GSTT1-) phenotypes respectively. The GSTT1+ phenotype can catalyze the glutathione conjugation of dichloromethane., similarity: Belongs to the GST superfamily. Theta family., similarity: Contains 1 GST C-terminal domain., similarity: Contains 1 GST N-terminal domain., subunit: Homodimer., tissue specificity: Found in erythrocyte. Expressed at low levels in liver. In lung, expressed at low levels in Clara cells and ciliated cells at the alveolar/bronchiolar junction. Absent from epithelial cells of larger bronchioles.,

研究领域 (Research Area)

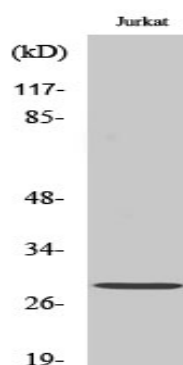
Glutathione metabolism; Metabolism of xenobiotics by cytochrome P450; Drug metabolism;

图片 (Image Data)



Western blot analysis of lysates from Jurkat cells, using GSTT1/4 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using GSTT1/4 Polyclonal Antibody

注意事项 (Note)

For research use only .