

Product datasheet for **AP21182PU-S**

Glutathione S Transferase theta 1 (GSTT1) (+GSTT4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1/500 - 1/1000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of GSTT1/4 protein. (region surrounding Arg31)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen (> 95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 30 kDa
Gene Name:	glutathione S-transferase theta 1
Database Link:	Entrez Gene 2952 Human P30711



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Background:

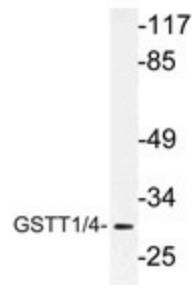
The GST superfamily is made up of several subfamilies. Glutathione S-transferase P (GSTP1) belongs to the π subfamily and is involved in the conjugation of reduced glutathione to a variety of endogenous and exogenous hydrophobic electrophiles. Glutathione S-transferase μ 1 (GSTM1) is a cytoplasmic liver protein belonging to the μ family and has the same basic functions as GSTP1-1. Glutathione S-transferase θ 1 (GSTT1), a cytoplasmic homodimer belonging to the θ family, is expressed in erythrocytes. It is active in the reduced glutathione conjugation and also displays glutathione peroxidase activity with cumene hydroperoxide.

Synonyms:

Glutathione S-transferase theta-1, GST class-theta-1, Glutathione transferase T1-1

Protein Pathways:

Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450

Product images:

Western blot (WB) analysis of GSTT1/4 antibody (Cat.-No.: [AP21182PU-N]) in extracts from Jurkat cells.