

# GSTT1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20614a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P30711</a>
<b>Reactivity</b>	Human, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB47963
<b>Calculated MW</b>	27335

## Additional Information

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<b>Gene ID</b>	2952
<b>Other Names</b>	Glutathione S-transferase theta-1, GST class-theta-1, Glutathione transferase T1-1, GSTT1
<b>Target/Specificity</b>	This GSTT1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 46-79 amino acids from the N-terminal region of human GSTT1.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	GSTT1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	GSTT1
<b>Function</b>	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.

<b>Cellular Location</b>	Cytoplasm.
<b>Tissue Location</b>	Found in erythrocyte. Expressed at low levels in liver. In lung, expressed at low levels in club cells and ciliated cells at the alveolar/bronchiolar junction. Absent from epithelial cells of larger bronchioles.

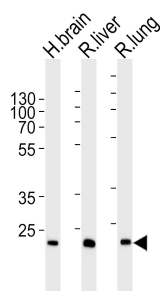
## Background

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.

## References

Pemble S.,et al.Biochem. J. 300:271-276(1994).  
Jemth P.,et al.Arch. Biochem. Biophys. 348:247-254(1997).  
Sprenger R.,et al.Pharmacogenetics 10:557-565(2000).  
Iida A.,et al.Submitted (MAR-2001) to the EMBL/GenBank/DDBJ databases.  
Kalnina N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.

## Images



Western blot analysis of lysates from human brain, rat liver and lung tissue lysate (from left to right), using GSTT1 Antibody (N-term)(Cat. #AP20614a). AP20614a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.