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# GSTT1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20614a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | P30711 |
| **Reactivity** | Human, Rat |
| **Predicted** | Mouse, Bovine, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB47963 |
| **Calculated MW** | 27335 |

## Additional Information

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| **Gene ID** | 2952 |
| **Other Names** | Glutathione S-transferase theta-1, GST class-theta-1, Glutathione transferase T1-1, GSTT1 |
| **Target/Specificity** | 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. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | 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. |
| **Storage** | 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. |
| **Precautions** | GSTT1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | GSTT1 |
| **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.

**Cellular Location** Cytoplasm.

**Tissue Location** 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.

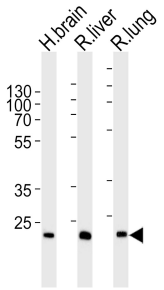
## Background

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.
Kalnine 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'.