

# GSTM4 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20566a

## Product Information

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Application	WB, E
Primary Accession	<a href="#">Q03013</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB47524
Calculated MW	25561

## Additional Information

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Gene ID	2948
Other Names	Glutathione S-transferase Mu 4, GST class-mu 4, GST-Mu2, GSTM4-4, GSTM4
Target/Specificity	This GSTM4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 16-50 amino acids from the N-terminal region of human GSTM4.
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	GSTM4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	GSTM4
Function	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles (PubMed: <a href="#">8203914</a> , PubMed: <a href="#">8373352</a> ). Catalyzes the conjugation of leukotriene A4 with reduced glutathione (GSH) to form leukotriene C4 (PubMed: <a href="#">27791009</a> ). Can also catalyze the transfer of a glutathionyl group from glutathione (GSH) to 13(S),14(S)-epoxy-docosahexaenoic acid to form maresin conjugate in tissue

regeneration 1 (MCTR1), a bioactive lipid mediator that possess potent anti-inflammatory and proresolving actions (PubMed:[27791009](#)).

**Cellular Location**

Cytoplasm.

**Tissue Location**

Expressed in a wide variety of tissues.

## Background

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Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Active on 1- chloro-2,4-dinitrobenzene.

## References

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Comstock K.E.,et al.J. Biol. Chem. 268:16958-16965(1993).

Zhong S.,et al.Biochem. J. 291:41-50(1993).

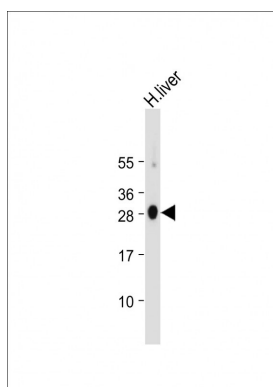
Ross V.L.,et al.Biochem. J. 294:373-380(1993).

Denson J.,et al.Gene 379:148-155(2006).

Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

## Images

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Anti-GSTM4 Antibody (N-term) at 1:2000 dilution + Human liver tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 26 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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