

**GSTM4 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20566a**

## Specification

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### GSTM4 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	<a href="#">Q03013</a>
Other Accession	<a href="#">P46439</a> , <a href="#">Q9TSM4</a> , <a href="#">P28161</a> , <a href="#">P04905</a> , <a href="#">Q9TSM5</a> , <a href="#">P09488</a> , <a href="#">Q9NOV4</a>
Reactivity	Human
Predicted	Bovine, Monkey, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

### GSTM4 Antibody (N-term) - Additional Information

**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~~1:2000

#### 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.

### GSTM4 Antibody (N-term) - Protein Information

**Name** GSTM4

**Function** Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles (PubMed:[8203914](#), PubMed:[8373352](#)). Catalyzes the conjugation of

leukotriene A4 with reduced glutathione (GSH) to form leukotriene C4 (PubMed:[27791009](#)). 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

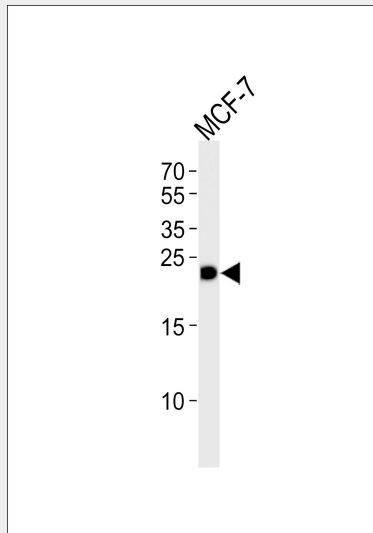
Expressed in a wide variety of tissues.

### GSTM4 Antibody (N-term) - Protocols

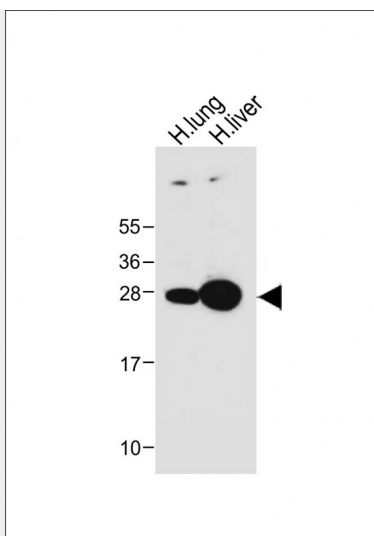
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

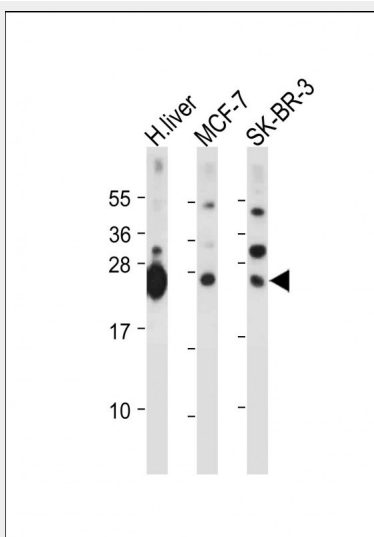
### GSTM4 Antibody (N-term) - Images



Western blot analysis of lysate from MCF-7 cell line, using GSTM4 Antibody (N-term)(Cat. #AP20566a). AP20566a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



All lanes : Anti-GSTM4 Antibody (N-term) at 1:1000 dilution Lane 1: Human lung tissue lysate  
Lane 2: 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.



All lanes : Anti-GSTM4 Antibody (N-term) at 1:2000 dilution Lane 1: Human liver tissue lysate  
Lane 2: MCF-7 whole cell lysate Lane 3: SK-BR-3 whole cell 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.

### **GSTM4 Antibody (N-term) - Background**

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

### **GSTM4 Antibody (N-term) - References**

- 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.

