

GSTM4 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5125

Specification

GSTM4 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q03013
Other Accession	P46439 , Q9TSM4 , P28161 , P04905 , Q9TSM5 , P09488 , Q9NOV4
Reactivity	Human, Rat
Predicted	Bovine, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=26,23,19;Rat=26 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

GSTM4 Antibody (N-term) - Additional Information

Gene ID 2948

Antigen Region
16-50

Other Names
Glutathione S-transferase Mu 4, GST class-mu 4, GST-Mu2, GSTM4-4, GSTM4

Dilution
WB~~1:2000

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.

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

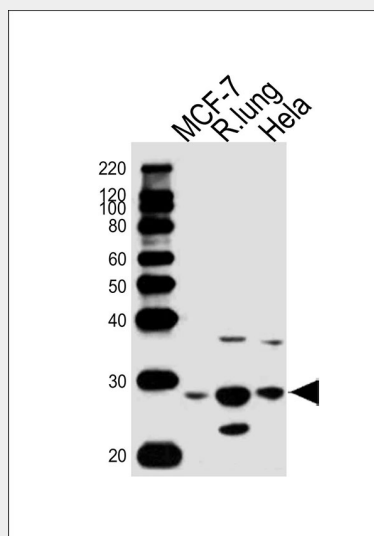
Expressed in a wide variety of tissues.

GSTM4 Antibody (N-term) - Protocols

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

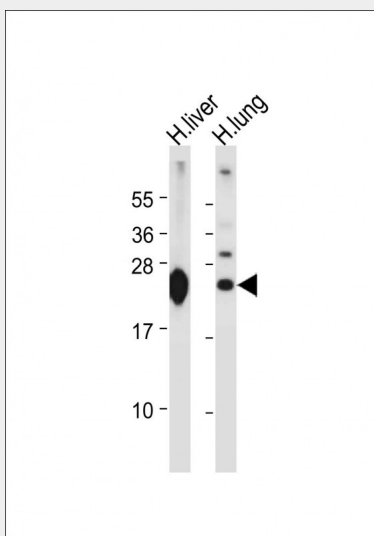
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GSTM4 Antibody (N-term) - Images



Western blot analysis of lysates from MCF-7 cell line, rat lung tissue, HeLa cell line (from left to right), using GSTM4 Antibody (N-term) (Cat. #AW5125). AW5125 was diluted at 1:1000 at each

lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



All lanes : Anti-GSTM4 Antibody (N-term) at 1:2000 dilution Lane 1: Human liver tissue lysate
Lane 2: Human lung 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.

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.