

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

Specification

GSTM4 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q03013
Other Accession	P46439 , Q9TSM4 , P28161 , P04905 , Q9TSM5 , P09488 , Q9NOV4
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

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.

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.

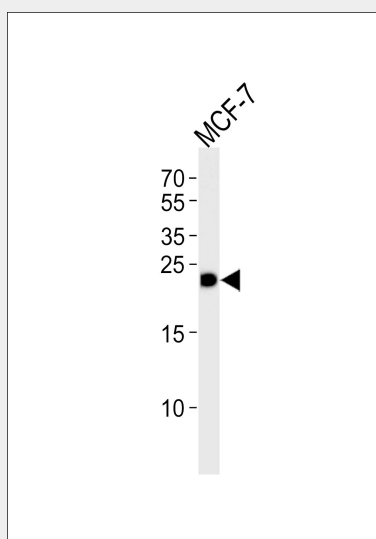
Tissue Location

Expressed in a wide variety of tissues.

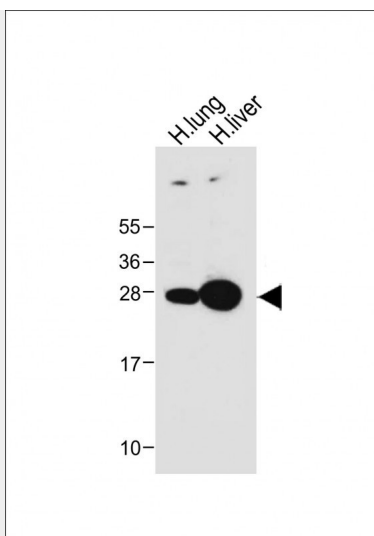
GSTM4 Antibody (N-term) - Protocols

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

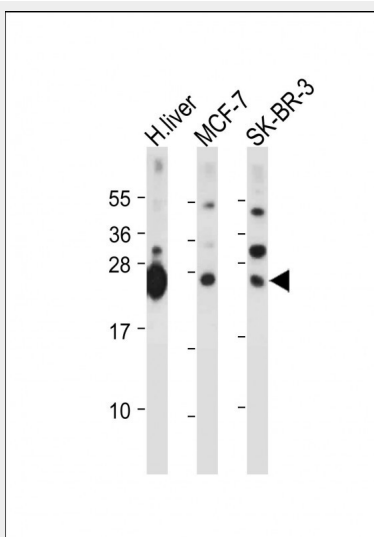
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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.

