

GSTM4 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5125

Product Information

Application	WB
Primary Accession	Q03013
Other Accession	P46439 , Q9TSM4 , P28161 , P04905 , Q9TSM5 , P09488 , Q9N0V4
Reactivity	Human, Rat
Predicted	Monkey, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25561
Isotype	Rabbit IgG
Antigen Source	HUMAN

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~~1:1000
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.

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.

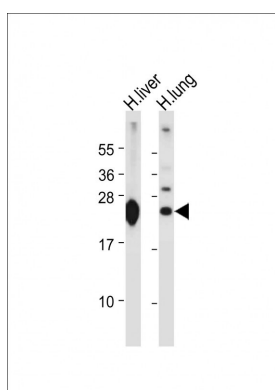
Background

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

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.

Images



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.

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