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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.

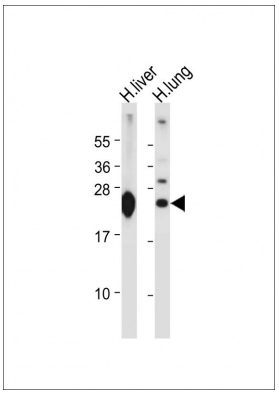
Background

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'.