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Goat Anti-GSTM4 Antibody (internal region)

Purified Goat Polyclonal Antibody
Catalog # AF4312a

Product Information

Application	WB, E
Primary Accession	Q03013
Other Accession	NP_000841.1, NP_671489.1, 2948, 14865 (mouse), 499689 (rat)
Reactivity	Human
Predicted	Mouse
Host	Goat
Clonality	Polyclonal
Calculated MW	25561

Additional Information

Gene ID	2948
Other Names	GSTM4; glutathione S-transferase mu 4; GSTM4-4; GTM4; GST class-mu 4; GST-Mu2; GTS-Mu2; S-(hydroxyalkyl)glutathione lyase M4; glutathione S-alkyltransferase M4; glutathione S-aralkyltransferase M4; glutathione S-aryltransferase M4; glutathione S-transfera
Target/Specificity	This antibody is expected to recognize both reported isoforms (NP_000841.1; NP_671489.1).
Dilution	WB~~1:1000 E~~N/A
Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Immunogen	Peptide with sequence DVSNQLARVCYSPD, from the internal region of the protein sequence according to NP_000841.1; NP_671489.1.
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Goat Anti-GSTM4 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GSTM4
	Conjugation of reduced glutathione to a wide number of exogenous and

Function	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.

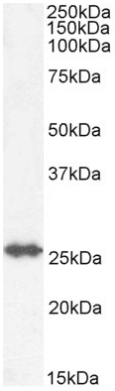
References

Luo W, Gangwal K, Sankar S, Boucher KM, Thomas D, Lessnick SL.

Images



AF4312a (0.1 µg/ml) staining of HeLa lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF4312a (0.3 µg/ml) staining of Rat Lung lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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