

Goat Anti-GSTM4 Antibody (internal region)
Purified Goat Polyclonal Antibody
Catalog # AF4312a

Specification

Goat Anti-GSTM4 Antibody (internal region) - Product Information

Application	WB
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

Goat Anti-GSTM4 Antibody (internal region) - 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-transferase

Target/Specificity

This antibody is expected to recognize both reported isoforms (NP_000841.1; NP_671489.1).

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.

Goat Anti-GSTM4 Antibody (internal region) - Protein Information

Name GSTM4

Function

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles (PubMed: [8203914](http://www.uniprot.org/citations/8203914), PubMed: [8373352](http://www.uniprot.org/citations/8373352) target="_blank">8373352). Catalyzes the conjugation of leukotriene A4 with reduced glutathione (GSH) to form leukotriene C4 (PubMed: [27791009](http://www.uniprot.org/citations/27791009) target="_blank">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](http://www.uniprot.org/citations/27791009) target="_blank">27791009).

Cellular Location

Cytoplasm.

Tissue Location

Expressed in a wide variety of tissues.

Goat Anti-GSTM4 Antibody (internal region) - Protocols

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

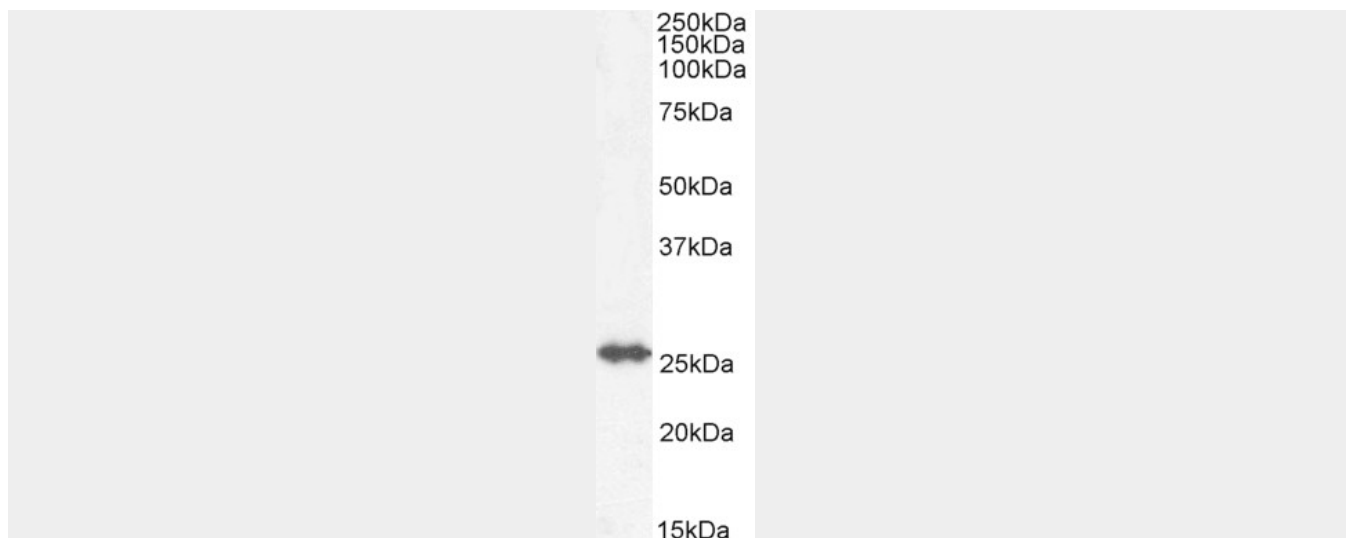
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-GSTM4 Antibody (internal region) - Images



250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

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 $\mu\text{g/ml}$) staining of Rat Lung lysate (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-GSTM4 Antibody (internal region) - References

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