

MGST3 Rabbit pAb

Catalog # AP53625

Product Information

Primary Accession	O14880
Host	Rabbit
Clonality	Polyclonal Antibody
Calculated MW	16516

Additional Information

Gene ID	4259
Other Names	Microsomal glutathione S-transferase 3, Microsomal GST-3, Glutathione peroxidase MGST3, 1.11.1.-, LTC4 synthase MGST3, 4.4.1.20, Microsomal glutathione S-transferase III, Microsomal GST-III, MGST3 (HGNC:7064)
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

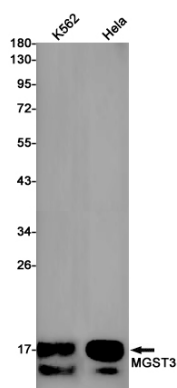
Protein Information

Name	MGST3 (HGNC:7064)
Function	Displays both glutathione S-transferase and glutathione peroxidase activities toward oxyeicosanoids, as part of cellular detoxification as well as synthesis of bioactive metabolites (PubMed: 36370807 , PubMed: 9278457). Catalyzes conjugate addition of reduced glutathione to the alpha, beta-unsaturated C=C carbonyl group of eisosanoids such as leukotriene A4 and 15-deoxy-Delta12,14- prostaglandin J2 to form GSH adducts relevant to the inflammatory response (PubMed: 36370807 , PubMed: 9278457). Catalyzes glutathione- dependent reduction of eicosanoid peroxides to yield the corresponding eicosanoid hydroxides (PubMed: 9278457).
Cellular Location	Mitochondrion outer membrane; Multi-pass membrane protein
Tissue Location	Predominantly expressed in heart, skeletal muscle, and adrenal cortex. Also found in brain, placenta, liver, kidney, pancreas, thyroid, testis and ovary. Almost absent in lung, thymus and peripheral blood leukocytes. Expressed in mast cells

Background

Swiss-Prot Acc.O14880.Microsomal glutathione S-transferase 3

Images



Western blot detection of MGST3 in K562, HeLa cell lysates using MGST3 Rabbit pAb (1:1000 diluted). Predicted band size: 17 kDa. Observed band size: 17 kDa.

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