

LTC4S Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP8584a**Specification**

LTC4S Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q16873](#)**LTC4S Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 4056**Other Names**

Leukotriene C4 synthase, LTC4 synthase, Leukotriene-C(4) synthase, LTC4S

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8584a](/products/AP8584a) was selected from the N-term region of human LTC4S. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LTC4S Antibody (N-term) Blocking Peptide - Protein Information**Name** LTC4S**Function**

Catalyzes the conjugation of leukotriene A4 with reduced glutathione (GSH) to form leukotriene C4 with high specificity (PubMed: [7937884](http://www.uniprot.org/citations/7937884), PubMed: [27791009](http://www.uniprot.org/citations/27791009), PubMed: [27365393](http://www.uniprot.org/citations/27365393), PubMed: [9153254](http://www.uniprot.org/citations/9153254), PubMed: [23409838](http://www.uniprot.org/citations/23409838)). 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)).

Cellular Location

Nucleus outer membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Nucleus membrane; Multi-pass membrane protein

Tissue Location

Detected in lung, platelets and the myelogenous leukemia cell line KG-1 (at protein level). LTC4S activity is present in eosinophils, basophils, mast cells, certain phagocytic mononuclear cells, endothelial cells, vascular smooth muscle cells and platelets

LTC4S Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

LTC4S Antibody (N-term) Blocking Peptide - Images**LTC4S Antibody (N-term) Blocking Peptide - Background**

LTC4S catalyzes the conjugation of leukotriene A4 with reduced glutathione to form leukotriene C4.

LTC4S Antibody (N-term) Blocking Peptide - References

Song,X.Y., et.al., Diabetologia 52 (8), 1543-1553 (2009)Schurks,M., et.al., J Pain 10 (7), 759-766 (2009)