

GGT7 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP13155a**Specification**

GGT7 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O9UJ14](#)**GGT7 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 2686**Other Names**

Gamma-glutamyltransferase 7, GGT 7, Gamma-glutamyltransferase-like 3, Gamma-glutamyltransferase-like 5, Gamma-glutamyltranspeptidase 7, Glutathione hydrolase 7, Gamma-glutamyltransferase 7 heavy chain, Gamma-glutamyltransferase 7 light chain, GGT7, GGTL3, GGTL5

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13155a was selected from the N-term region of GGT7. 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.

GGT7 Antibody (N-term) Blocking Peptide - Protein Information**Name** GGT7 ([HGNC:4259](#))**Synonyms** GGTL3, GGTL5**Function**

Hydrolyzes and transfers gamma-glutamyl moieties from glutathione and other gamma-glutamyl compounds to acceptors.

Cellular Location

Membrane {ECO:0000250|UniProtKB:P19440}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:P07314}

Tissue Location

Widely expressed, but at low level, except in the airway epithelial cells. Detected in brain, heart, kidney, liver, lung, spleen, testis and trachea

GGT7 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GGT7 Antibody (N-term) Blocking Peptide - Images

GGT7 Antibody (N-term) Blocking Peptide - Background

This gene is a member of a gene family that encodes enzymes involved in both the metabolism of glutathione and in the transpeptidation of amino acids. Changes in the activity of gamma-glutamyltransferase may signal preneoplastic or toxic conditions in the liver or kidney. The protein encoded by this gene consists of a heavy and a light chain, and it can interact with CT120, a plasma membrane-associated protein that is possibly involved in lung carcinogenesis.

GGT7 Antibody (N-term) Blocking Peptide - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :Heisterkamp, N., et al. Hum. Genet. 123(4):321-332(2008)He, X., et al. Biochem. Biophys. Res. Commun. 297(3):528-536(2002)Figlewicz, D.A., et al. Genomics 17(2):299-305(1993)