

GLYAT Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13064c

Specification

GLYAT Antibody (Center) Blocking peptide - Product Information

Primary Accession [Q6IB77](#)

GLYAT Antibody (Center) Blocking peptide - Additional Information

Gene ID 10249

Other Names

Glycine N-acyltransferase, Acyl-CoA:glycine N-acyltransferase, AAc, Aralkyl acyl-CoA N-acyltransferase, Aralkyl acyl-CoA:amino acid N-acyltransferase, Benzoyl-coenzyme A:glycine N-acyltransferase, Glycine N-benzoyltransferase, HRP-1(CLP), GLYAT, ACGNAT, CAT, GAT

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.

GLYAT Antibody (Center) Blocking peptide - Protein Information

Name GLYAT

Synonyms ACGNAT, CAT, GAT

Function

Mitochondrial acyltransferase which transfers an acyl group to the N-terminus of glycine and glutamine, although much less efficiently. Can conjugate numerous substrates to form a variety of N-acylglycines, with a preference for benzoyl-CoA over phenylacetyl-CoA as acyl donors. Thereby detoxify xenobiotics, such as benzoic acid or salicylic acid, and endogenous organic acids, such as isovaleric acid.

Cellular Location

Mitochondrion.

Tissue Location

Predominantly expressed in liver (at protein level) and kidney. Down-regulated in hepatocellular carcinoma and other liver cancers.

GLYAT Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

GLYAT Antibody (Center) Blocking peptide - Images

GLYAT Antibody (Center) Blocking peptide - Background

The glycine-N-acyltransferase protein conjugates glycine with acyl-CoA substrates in the mitochondria. The protein is thought to be important in the detoxification of endogenous and xenobiotic acyl-CoA's. Two transcript variants encoding different isoforms have been found for this gene.

GLYAT Antibody (Center) Blocking peptide - References

Yamamoto, A., et al. Drug Metab. Pharmacokinet. 24(1):114-117(2009) Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006) van der Westhuizen, F.H., et al. J. Biochem. Mol. Toxicol. 14(2):102-109(2000) Mawal, Y., et al. J. Pediatr. 130(6):1003-1007(1997) Merkler, D.J., et al. Arch. Biochem. Biophys. 330(2):430-434(1996)