

NAT8 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP4957c**Specification**

NAT8 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9UHE5](#)**NAT8 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 9027**Other Names**

N-acetyltransferase 8, 231-, Acetyltransferase 2, ATase2, Camello-like protein 1, Cysteinyl-conjugate N-acetyltransferase, CCNAT, NAT8 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=18069)
HGNC:18069

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.

NAT8 Antibody (Center) Blocking Peptide - Protein Information**Name** NAT8 ([HGNC:18069](#))**Function**

Acetylates the free alpha-amino group of cysteine S- conjugates to form mercapturic acids (PubMed:<http://www.uniprot.org/citations/20392701>). This is the final step in a major route for detoxification of a wide variety of reactive electrophiles which starts with their incorporation into glutathione S-conjugates. The glutathione S-conjugates are then further processed into cysteine S-conjugates and finally mercapturic acids which are water soluble and can be readily excreted in urine or bile. Alternatively, may have a lysine N-acetyltransferase activity catalyzing peptidyl-lysine N6-acetylation of various proteins. Thereby, may regulate apoptosis through the acetylation and the regulation of the expression of PROM1 (PubMed:<http://www.uniprot.org/citations/24556617>). May also regulate amyloid beta-peptide secretion through acetylation of BACE1 and the regulation of its expression in neurons (PubMed:<http://www.uniprot.org/citations/19011241>).

Cellular Location

Endoplasmic reticulum-Golgi intermediate compartment membrane; Single-pass type II membrane

protein. Endoplasmic reticulum membrane; Single-pass type II membrane protein

Tissue Location

Preferentially expressed in liver and kidney. Also detected in brain (at protein level).

NAT8 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NAT8 Antibody (Center) Blocking Peptide - Images**NAT8 Antibody (Center) Blocking Peptide - Background**

This protein, isolated using the differential display method to detect tissue-specific genes, is specifically expressed in kidney and liver. The encoded protein shows amino acid sequence similarity to N-acetyltransferases. A similar protein in *Xenopus* affects cell adhesion and gastrulation movements, and may be localized in the secretory pathway. A highly similar paralog is found in a cluster with this gene.

NAT8 Antibody (Center) Blocking Peptide - References

Ko, M.H., et al. J. Biol. Chem. 284(4):2482-2492(2009) Juhanson, P., et al. BMC Med. Genet. 9, 25 (2008) Barrios-Rodiles, M., et al. Science 307(5715):1621-1625(2005)