

MRAP Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9980a**Specification**

MRAP Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8TCY5](#)**MRAP Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 56246**Other Names**

Melanocortin-2 receptor accessory protein, B27, Fat cell-specific low molecular weight protein, Fat tissue-specific low MW protein, MRAP, C21orf61, FALP

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.

MRAP Antibody (N-term) Blocking Peptide - Protein Information**Name** MRAP**Synonyms** C21orf61, FALP**Function**

Modulator of melanocortin receptors (MC1R, MC2R, MC3R, MC4R and MC5R). Acts by increasing ligand-sensitivity of melanocortin receptors and enhancing generation of cAMP by the receptors. Required both for MC2R trafficking to the cell surface of adrenal cells and for signaling in response to corticotropin (ACTH). May be involved in the intracellular trafficking pathways in adipocyte cells.

Cellular Location

Cell membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass membrane protein. Note=The formation of antiparallel homo- and heterodimers suggest that N- and C-terminus can both localize in the cytoplasmic and extracellular parts, depending on the context (PubMed:20371771). Upon insulin stimulation, it is redistributed into spotty structures throughout the cytoplasm

Tissue Location

Expressed in adrenal cortex, testis, breast, thyroid, lymph node, ovary and fat. Expressed in adipose tissues

MRAP Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MRAP Antibody (N-term) Blocking Peptide - Images

MRAP Antibody (N-term) Blocking Peptide - Background

MRAP encodes a melanocortin receptor-interacting protein. The encoded protein regulates trafficking and function of the melanocortin 2 receptor in the adrenal gland. The encoded protein can also modulate signaling of other melanocortin receptors. Mutations in this gene have been associated with familial glucocorticoid deficiency type 2.

MRAP Antibody (N-term) Blocking Peptide - References

Dias, R.P., et al. Eur. J. Endocrinol. 162(2):357-359(2010) Chan, L.F., et al. Proc. Natl. Acad. Sci. U.S.A. 106(15):6146-6151(2009) Webb, T.R., et al. Endocrinology 150(2):720-726(2009)