

MRAP2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP13187c**Specification**

MRAP2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q96G30](#)**MRAP2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 112609**Other Names**

Melanocortin-2 receptor accessory protein 2, MC2R accessory protein 2, MRAP2, C6orf117

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13187c was selected from the Center region of MRAP2. 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.

MRAP2 Antibody (Center) Blocking Peptide - Protein Information**Name** MRAP2**Synonyms** C6orf117**Function**

Modulator of melanocortin receptor 4 (MC4R), a receptor involved in energy homeostasis. Plays a central role in the control of energy homeostasis and body weight regulation by increasing ligand-sensitivity of MC4R and MC4R-mediated generation of cAMP (By similarity). May also act as a negative regulator of MC2R: competes with MRAP for binding to MC2R and impairs the binding of corticotropin (ACTH) to MC2R. May also regulate activity of other melanocortin receptors (MC1R, MC3R and MC5R); however, additional evidence is required in vivo.

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.

Tissue Location

Expressed in the adrenal gland and brain. Not expressed in other tissues.

MRAP2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MRAP2 Antibody (Center) Blocking Peptide - Images**MRAP2 Antibody (Center) Blocking Peptide - Background**

The specific function of this protein remains unknown.

MRAP2 Antibody (Center) Blocking Peptide - References

Sebag, J.A., et al. Sci Signal 3 (116), RA28 (2010) :Chan, L.F., et al. Proc. Natl. Acad. Sci. U.S.A. 106(15):6146-6151(2009)Sebag, J.A., et al. J. Biol. Chem. 284(1):610-618(2009)Lamesch, P., et al. Genomics 89(3):307-315(2007)Metherell, L.A., et al. Nat. Genet. 37(2):166-170(2005)