10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PM20D1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16309b

Specification

PM20D1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q6GTS8

PM20D1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 148811

Other Names
Probable carboxypeptidase PM20D1, 3417-, Peptidase M20 domain-containing protein 1, PM20D1

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.

PM20D1 Antibody (C-term) Blocking Peptide - Protein Information

Name PM20D1 (HGNC:26518)

Function
Secreted enzyme that regulates the endogenous N-fatty acyl amino acid (NAAs) tissue and circulating levels by functioning as a bidirectional NAA synthase/hydrolase (PubMed:27374330). It condenses free fatty acids and free amino acids to generate NAAs and bidirectionally catalyzes the reverse hydrolysis reaction (PubMed:27374330). Some of these NAAs stimulate oxidative metabolism via mitochondrial uncoupling, increasing energy expenditure in a UPC1- independent manner. Thereby, this secreted protein may indirectly regulate whole body energy expenditure. PM20D1 circulates in tight association with both low- and high-density (LDL and HDL,respectively) lipoprotein particles (By similarity).

Cellular Location
Secreted {ECO:0000250|UniProtKB:Q8C165}.

PM20D1 Antibody (C-term) Blocking Peptide - Protocols

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

- Blocking Peptides

PM20D1 Antibody (C-term) Blocking Peptide - Images

PM20D1 Antibody (C-term) Blocking Peptide - Background

PM20D1 belongs to the peptidase M20A family.

PM20D1 Antibody (C-term) Blocking Peptide - References

Satake, W., et al. Nat. Genet. 41(12):1303-1307(2009)