

AQPEP Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18181b**Specification**

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

Primary Accession [Q6Q4G3](#)

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

Gene ID 206338

Other Names

Aminopeptidase Q, AP-Q, 3411-, CHL2 antigen, Laeverin, AQPEP, LVRN

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.

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

Name LVRN ([HGNC:26904](#))

Function

Metalloprotease which may be important for placentation by regulating biological activity of key peptides at the embryo-maternal interface. On synthetic substrates it shows a marked preference for Leu-4-methylcoumaryl-7-amide (Leu-MCA) over Met-MCA, Arg-LCA and Lys- LCA. Cleaves the N-terminal amino acid of several peptides such as angiotensin-3, kisspeptin-10 and endokinin C.

Cellular Location

Membrane; Single- pass type II membrane protein

Tissue Location

Specifically expressed in placenta and not in other tissues. Mainly found at the cell surface region of the extravillous trophoblasts. Detected on extravillous trophoblasts in the outer layer of the chorion laeve in the fetal membrane Not detected on either fetal amnionic epithelial cells or maternal decidual cells. Also detected in the migrating extravillous trophoblasts in the maternal decidual tissues (at protein level).

AQPEP Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

AQPEP Antibody (C-term) Blocking Peptide - Images

AQPEP Antibody (C-term) Blocking Peptide - Background

AQPEP is a metalloprotease which may be important for placentation by regulating biological activity of key peptides at the embryo-maternal interface. On synthetic substrates it shows a marked preference for Leu-4-methylcoumaryl-7-amide (Leu-MCA) over Met-MCA, Arg-LCA and Lys-LCA. Cleaves the N-terminal amino acid of several peptides such as angiotensin-3, kisspeptin-10 and endokinin C.

AQPEP Antibody (C-term) Blocking Peptide - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :Maruyama, M., et al. J. Biol. Chem. 284(50):34692-34702(2009)Johnson, M.P., et al. Hum. Genet. 126(5):655-666(2009)Maruyama, M., et al. J. Biol. Chem. 282(28):20088-20096(2007)Haas, C.S., et al. Arthritis Rheum. 54(7):2047-2060(2006)