

ATRN Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16370b**Specification**

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

Primary Accession [O75882](#)

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

Gene ID 8455

Other Names

Attractin, DPPT-L, Mahogany homolog, ATRN, KIAA0548, MGCA

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.

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

Name ATRN

Synonyms KIAA0548, MGCA

Function

Involved in the initial immune cell clustering during inflammatory response and may regulate chemotactic activity of chemokines. May play a role in melanocortin signaling pathways that regulate energy homeostasis and hair color. Low-affinity receptor for agouti (By similarity). Has a critical role in normal myelination in the central nervous system (By similarity).

Cellular Location

[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 3]: Secreted

Tissue Location

Isoform 2 is detected in plasma (at protein level). Expressed and secreted by activated T-lymphocytes. Expressed at low to moderate levels in peripheral blood leukocytes, spleen, lymph node, tonsil, bone marrow and fetal liver. At very low levels found in thymus. Isoform 2 is the major isoform in peripheral blood leukocytes

ATRN Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ATRN Antibody (C-term) Blocking Peptide - Images

ATRN Antibody (C-term) Blocking Peptide - Background

Multiple transcript variants encoding different isoforms exist for this gene. One of the isoforms is a membrane-bound protein with sequence similarity to the mouse mahogany protein, a receptor involved in controlling obesity. The other isoform is a secreted protein involved in the initial immune cell clustering during inflammatory responses that may regulate the chemotactic activity of chemokines.

ATRN Antibody (C-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ; Radhakrishnan, Y., et al. Biol. Reprod. 81(4):647-656(2009) Nan, H., et al. Int. J. Cancer 125(4):909-917(2009) Fernandez, L.P., et al. Exp. Dermatol. 18(7):634-642(2009) Friedrich, D., et al. Biol. Chem. 388(2):155-162(2007)