

ANGPT4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7866a**Specification**

ANGPT4 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y264](#)**ANGPT4 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 51378**Other Names**

Angiopoietin-4, ANG-4, Angiopoietin-3, ANG-3, ANGPT4, ANG3, ANG4

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7866a](/products/AP7866a) was selected from the N-term region of human ANGPT4. 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.

ANGPT4 Antibody (N-term) Blocking Peptide - Protein Information**Name** ANGPT4**Synonyms** ANG3, ANG4**Function**

Binds to TEK/TIE2, modulating ANGPT1 signaling. Can induce tyrosine phosphorylation of TEK/TIE2. Promotes endothelial cell survival, migration and angiogenesis.

Cellular Location

Secreted.

Tissue Location

Highly expressed in the lung with much lower levels found in other tissues

ANGPT4 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ANGPT4 Antibody (N-term) Blocking Peptide - Images

ANGPT4 Antibody (N-term) Blocking Peptide - Background

ANGPT4 is a protein with important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. The mechanism by which they contribute to angiogenesis is thought to involve regulation of endothelial cell interactions with supporting perivascular cells. The protein functions as an agonist and is an angiopoietin.

ANGPT4 Antibody (N-term) Blocking Peptide - References

Valenzuela D.M., Griffiths J.A.. Natl. Acad. Sci. U.S.A. 96:1904-1909(1999)