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

ANGPTL7 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP6535a

Specification

ANGPTL7 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O43827

ANGPTL7 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 10218

Other Names
Angiopoietin-related protein 7, Angiopoietin-like factor, Angiopoietin-like protein 7, Cornea-derived transcript 6 protein, ANGPTL7, CDT6

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6535a was selected from the N-term region of human ANGPTL7. 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.

ANGPTL7 Antibody (N-term) Blocking Peptide - Protein Information

Name ANGPTL7

Synonyms CDT6

Function
Has a role in the formation and organization of the extracellular matrix. In the eye, it functions as a mediator of dexamethasone-induced matrix deposition in the trabecular meshwork, the tissue responsible for the outflow of the ocular aqueous humor and for the maintenance of intraocular pressure (PubMed:21199193). Is a negative regulator of angiogenesis in the cornea, and plays a major role in maintaining corneal avascularity and transparency (PubMed:25622036).

Cellular Location

Secreted.

Tissue Location
Highly expressed in the cornea (at protein level) (PubMed:11682471). Expression is restricted to the stromal layer (PubMed:11682471). Also detected at the junction between the corneal stromal layer and the conjuctiva. Not detected in the sclera (PubMed:11682471).

ANGPTL7 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ANGPTL7 Antibody (N-term) Blocking Peptide - Images

ANGPTL7 Antibody (N-term) Blocking Peptide - References

Kuchtey,J., Invest. Ophthalmol. Vis. Sci. 49 (8), 3438-3448 (2008)