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ANGPTL7 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12644b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	O43827
Other Accession	NP_066969.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18345
Calculated MW	40018
Antigen Region	315-346

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	This ANGPTL7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 315-346 amino acids from the C-terminal region of human ANGPTL7.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ANGPTL7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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).

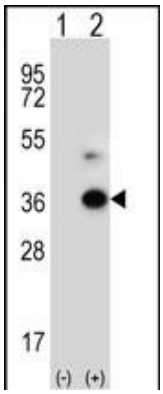
Background

The function of this protein remains unknown.

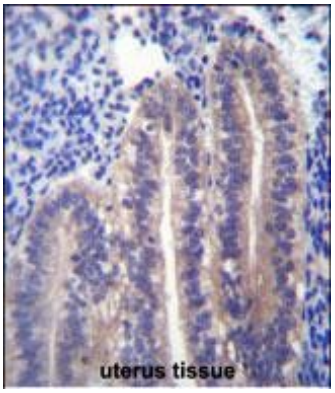
References

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Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004)
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Images

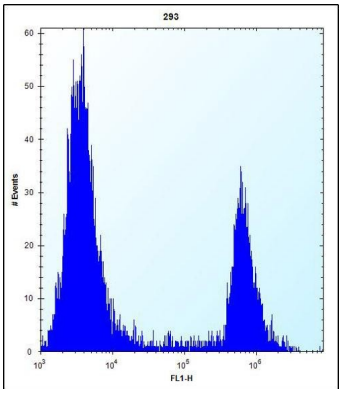


Western blot analysis of ANGPTL7 (arrow) using rabbit polyclonal ANGPTL7 Antibody (C-term) (Cat. #AP12644b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ANGPTL7 gene.



ANGPTL7 Antibody (C-term) (Cat. #AP12644b)immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ANGPTL7 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ANGPTL7 Antibody (C-term) (Cat. #AP12644b) flow cytometric analysis of 293 cells (right histogram)



compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.