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Anti-ANGPTL7 Antibody

Catalog # AP60082

Product Information

Application	WB, IHC
Primary Accession	O43827
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40018

Additional Information

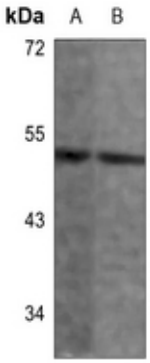
Gene ID	10218
Other Names	CDT6; Angiopoietin-related protein 7; Angiopoietin-like factor; Angiopoietin-like protein 7; Cornea-derived transcript 6 protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ANGPTL7. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IP (1/10 - 1/100) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IP (1/10 - 1/100)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

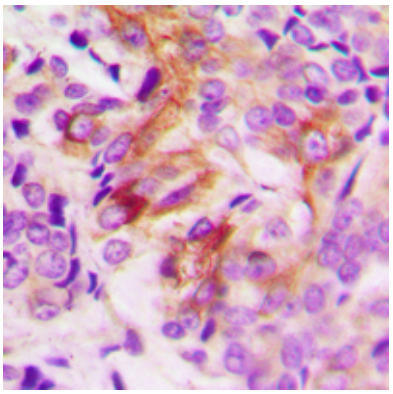
Name	ANGPTL7
Synonyms	CDT6
Function	Has a role in the formation and organization of the extracellular matrix. In the eye, it functions as a mediator of dexamethasone-induced matrix deposition in the trabecular meshwork, the tissue responsible for the outflow of the ocular aqueous humor and for the maintenance 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).

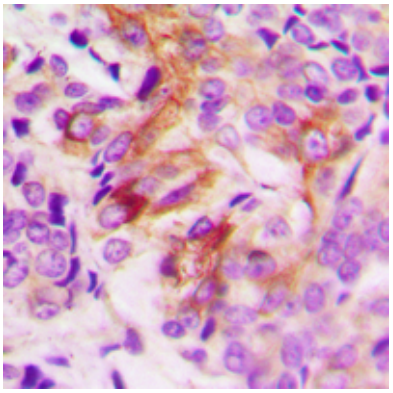
Images



Western blot analysis of ANGPTL7 expression in HEK293T (A), rat liver (B) whole cell lysates. (Predicted band size: 40 kD; Observed band size: 53 kD)



Immunohistochemical analysis of ANGPTL7 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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