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ANGPTL1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10105a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	O95841
Other Accession	NP_004664.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18258
Calculated MW	56720
Antigen Region	12-44

Additional Information

Gene ID	9068
Other Names	Angiopoietin-related protein 1, Angiopoietin-3, ANG-3, Angiopoietin-like protein 1, ANGPTL1, ANG3, ANGPT3, ARP1
Target/Specificity	This ANGPTL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-44 amino acids from the N-terminal region of human ANGPTL1.
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 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
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	ANGPTL1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ANGPTL1
Synonyms	ANG3, ANGPT3, ARP1

Cellular Location	Secreted.
Tissue Location	Highly expressed in adrenal gland, placenta, thyroid gland, heart, skeletal muscle and small intestine. Weakly expressed in testis, ovary, colon, pancreas, kidney and stomach

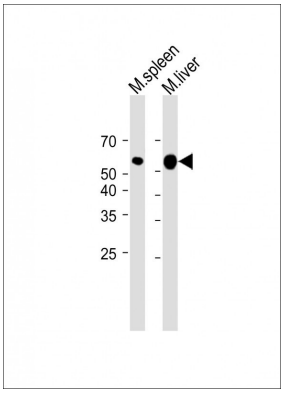
Background

Angiopoietins are members of the vascular endothelial growth factor family and the only known growth factors largely specific for vascular endothelium. Angiopoietin-1, angiopoietin-2, and angiopoietin-4 participate in the formation of blood vessels. The protein encoded by this gene is another member of the angiopoietin family that is widely expressed in adult tissues with mRNA levels highest in highly vascularized tissues. This protein was found to be a secretory protein that does not act as an endothelial cell mitogen in vitro.

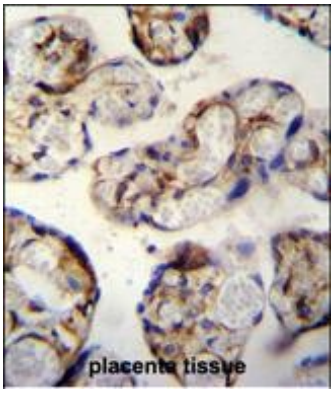
References

Di Carlo, C., et al. Fertil. Steril. 91(6):2315-2323(2009)
Post, S., et al. J. Vasc. Res. 45(3):244-250(2008)
Dhanabal, M., et al. Biochem. Biophys. Res. Commun. 333(2):308-315(2005)
Smagur, A., et al. Acta Biochim. Pol. 52(4):875-879(2005)
Lee, H.J., et al. FASEB J. 18(11):1200-1208(2004)

Images

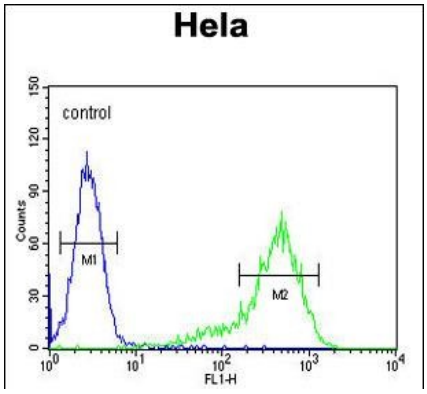


All lanes: Anti-ANGPTL1 Antibody (N-term) at 1:1000 dilution Lane 1: Mouse spleen lysate Lane 2: Mouse liver lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 57 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



ANGPTL1 antibody (N-term) (Cat. #AP10105a) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of the ANGPTL1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ANGPTL1 Antibody (N-term) (Cat. #AP10105a) flow cytometric analysis of Hela 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'.