

Mouse anti-Human ANGPT5 Monoclonal Antibody | anti-ANGPT5 antibody

ANGPT5 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48943	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

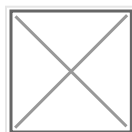
PRODUCT SYNONYMS

ANGPT5; Monoclonal Antibody; ANGPT5 antibody; Angiopoietin-related protein 3; ANG-5; ANL3; FHBL2; anti-ANGPT5 antibody

PRODUCT SPECIFICATIONS

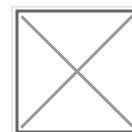
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT23D8
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	460
Applicable Applications for anti-ANGPT5 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human ANGPT5 (243-460aa) purified from E. coli.
Clone Note	Anti-human ANGPT5 mAb, clone AT23D8, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human ANGPT5 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of ANGPT5 in HeLa cells. The cell was stained with ATGA0478 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ANGPT5 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Mouse kidney tissue lysate

ADDITIONAL INFORMATION

Related Product Information for anti-ANGPT5 antibody	ANGPTL3 also known as Angiopoietin-related protein 3 is a member of the angiopoietin-like family of secreted factors. It is expressed predominantly in the liver, and has the characteristic structure of angiopoietins, consisting of a signal peptide, N-terminal coiled-coil domain, and the C-terminal fibrinogen (FBN)-like domain. The FBN-like domain in angiopoietin-like 3 protein was shown to bind alpha-5/beta-3 integrins, and this binding induced endothelial cell adhesion and migration. This protein may also play a role in the regulation of angiogenesis.
Product Categories/Family for anti-ANGPT5 antibody	Hormones & Cytokines
References	Arca M., et al. (2013) Curr. Opin. Lipidol. 24 (4): 313-20.; Quagliarini F Q., et al. (2012) Proc Natl Acad Sci. 109 (48): 19751-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7656888
NCBI GeneID	27329
NCBI Accession #	NP_055310
NCBI GenBank Nucleotide #	NM_014495.3
UniProt Accession #	Q9Y5C1; A0JLS0; B1ALJ0; B2RCW1
Molecular Weight	53,637 Da
NCBI Official Full Name	angiopoietin-related protein 3 preproprotein
NCBI Official Synonym Full Names	angiopoietin like 3
NCBI Official Symbol	ANGPTL3
NCBI Official Synonym Symbols	ANL3; ANG-5; FHBL2; ANGPT5
NCBI Protein Information	angiopoietin-related protein 3
UniProt Protein Name	Angiopoietin-related protein 3
UniProt Gene Name	ANGPTL3
UniProt Synonym Gene Names	ANGPT5; ANG-5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.