

Human Angiotensin-like Protein 3/ANGPTL3 antibody

Catalog Number: ATGA0478

PRODUCT INFORMATION

Catalog number

ATGA0478

Clone No.

AT23D8

Product type

Monoclonal Antibody

UnitProt No.

Q9Y5C1

NCBI Accession No.

NP_055310

Alternative Names

ANG-5, Angiotensin 5, Angiotensin-related protein 3, ANGPT5, ANGPTL3, ANL3, FHBL2

Additional Information

AAP0501 has been replaced with a catalog number ATGA0478.

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human ANGPT5 (243-460aa) purified from E. coli.

Isotype

IgG2a kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF

Usage

The antibody has been tested by ELISA, Western blot analysis and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Human Angiopoietin-like Protein 3/ANGPTL3 antibody

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

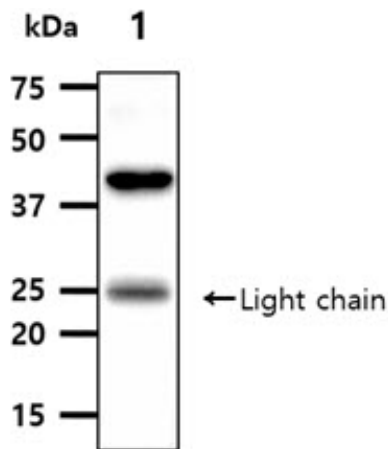
ANGPTL3 also known as Angiopoietin-related protein 3 is a member of the angiopoietin-like family of secreted factors. It is expressed predominantly in the liver, and has the characteristic structure of angiopoietins, consisting of a signal peptide, N-terminal coiled-coil domain, and the C-terminal fibrinogen (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.

General 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.

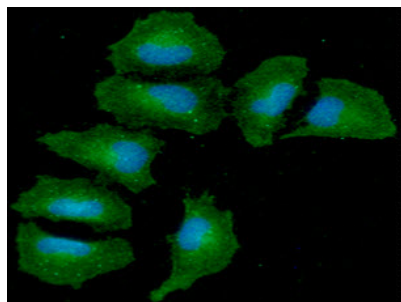
DATA

Western blot analysis (WB)



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

Immunocytochemistry/Immunofluorescence (ICC/IF)



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).