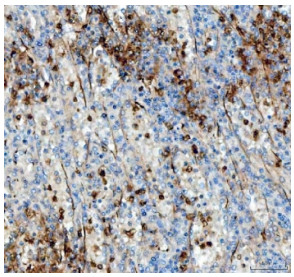
ANGPTL4 Antibody (R32788)

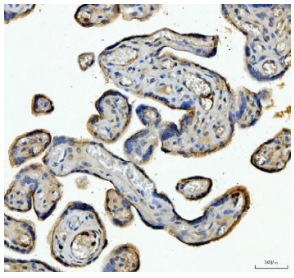
Catalog No.	Formulation	Size
R32788	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

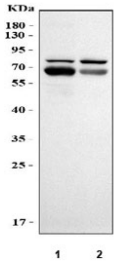
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9BY76
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml ELISA: 0.1-0.5ug/ml (human protein tested; request BSA-free format for coating)
Limitations	This ANGPTL4 antibody is available for research use only.



IHC staining of FFPE human spleen tissue with ANGPTL4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human placental tissue with ANGPTL4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) placenta and 2) HCCT cell lysate with ANGPTL4 antibody. Two bands are detected around the 70 kDa marker, consistent with glycosylated and disulfide-linked oligomeric forms of the secreted protein, which migrate above the ~45 kDa calculated mass.

Description

Angiopoietin-related protein 4 (Angptl4) is a protein that in humans is encoded by the ANGPTL4 gene. This gene is a member of the angiopoietin/angiopoietin-like gene family and encodes a glycosylated, secreted protein with a fibrinogen C-terminal domain. And this gene is induced under hypoxic conditions in endothelial cells and is the target of peroxisome proliferation activators. By radiation hybrid analysis, Angptl4 gene is mapped to 19p13.3. ANGPTL4 contributed to tumor growth and protected cells from anoikis, a form of programmed cell death induced when contact-dependent cells detach from the surrounding tissue matrix.

Application Notes

Optimal dilution of the ANGPTL4 antibody should be determined by the researcher.

Immunogen

Amino acids 369-406 (QQRQKLKKGIFWKTWRGRYYPLQATTMLIQPMAAEAAS) from the human protein were used as the immunogen for the ANGPTL4 antibody.

Storage

After reconstitution, the ANGPTL4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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