

Rabbit anti-Human MCFD2 Polyclonal Antibody | anti-MCFD2 antibody

Anti-MCFD2 Antibody, Rabbit Polyclonal

CATALOG # AAA256024	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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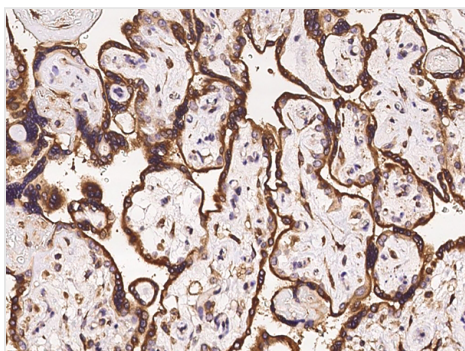
PRODUCT SYNONYMS

MCFD2; Polyclonal Antibody; Anti-MCFD2 Antibody; Rabbit Polyclonal; MCFD2 Antibody; Rabbit PAb; Antigen Affinity Purified; multiple coagulation factor deficiency 2; Anti-F5F8D Antibody; Anti-F5F8D2 Antibody; Anti-LMAN1IP Antibody; Anti-SDNSF Antibody; anti-MCFD2 antibody

PRODUCT SPECIFICATIONS

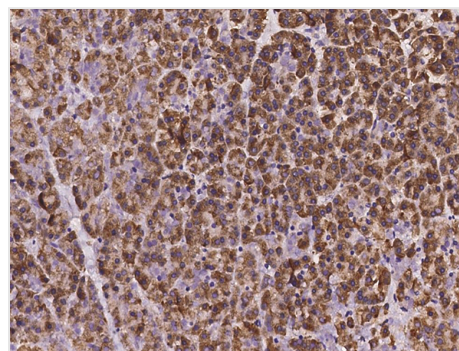
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MCFD2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-MCFD2 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human MCFD2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human MCFD2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human MCFD2 in human placenta with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human MCFD2 in human pancreas with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-MCFD2 antibody	Human MCFD2 (multiple coagulation factor deficiency 2) is a 16-kDa protein known to participate in the transport of the glycosylated human coagulation factors V and VIII along the secretory pathway. MCFD2, a binding partner of lectin mannose-binding 1 (LMAN1), causes combined deficiencies of coagulation factors V and VIII. MCFD2 promotes cancer metastasis by regulating LMAN1 and LGALS3BP expression levels. Hence, MCFD2 may represent a promising candidate for a novel therapeutic target for patients with metastatic OSCCs. MCFD2 is an EF-hand domain protein that forms a calcium-dependent heteromeric complex with LMAN1 in cells. Missense mutations in the EF-hand domains of MCFD2 abolish the interaction with LMAN1. The LMAN1-MCFD2 complex may serve as a cargo receptor for the ER-to-Golgi transport of FV and FVIII, and perhaps some other glycoproteins. The B domain of FVIII may be important in mediating its interaction with the LMAN1-MCFD2 complex.
References	Zhang B (2009) Recent developments in the understanding of the combined deficiency of fv and fviii. Br J Haematol 145 (1): 15-23.Guy JE, et al. (2008) New insights into multiple coagulation factor deficiency from the solution structure of human mcf2. J Mol Biol 381 (4): 941-955.Fukamachi M, et al. (2018) Multiple coagulation factor deficiency protein 2 as a crucial component in metastasis of human oral cancer. Exp Cell Res 368 (1): 119-125.

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mcfd2-antibody-immunohistochemistry-elisa/256024>