

Rabbit anti-Human TMED2 Polyclonal Antibody | anti-TMED2 antibody

Anti-TMED2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256083	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TMED2; Polyclonal Antibody; Anti-TMED2 Antibody; Rabbit Polyclonal; TMED2 Antibody; Rabbit PAb; Antigen Affinity Purified; transmembrane emp24 domain trafficking protein 2; Anti-p24 Antibody; Anti-P24A Antibody; Anti-RNP24 Antibody; anti-TMED2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TMED2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-TMED2 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human TMED2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human TMED2 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



IP (Immunoprecipitation)

TMED2 was immunoprecipitated using: Lane A: 0.5 mg RAJI Whole Cell Lysate, 4 uL anti-TMED2 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-TMED2 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 23 kDa. Observed band size: 23 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human TMED2 in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human TMED2 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-TMED2 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: Jurkat Whole Cell Lysate Lane C: Raji Whole Cell Lysate Lane D: NIH/3T3 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 23 kDa Observed band size: 23 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-TMED2 antibody

TMED2, a member of the transmembrane emp24 domain (TMED) family, is required for the transport of cargo proteins between the ER and Golgi. Tmed2, the sole member of the vertebrate Tmed beta subfamily, exhibits tissue and temporal specific patterns of expression in embryos and developing placenta but is ubiquitously expressed in all adult organs. TMED2 is involved in the morphogenesis of the mouse embryo and placenta. TMED2 is important for the normal morphogenesis of mouse embryos and their associated placenta, and in fact, Tmed2 homozygous mutant embryos arrest at mid-gestation due to a failure of placental labyrinth layer formation. TMED2 is oncogenic and a potential target for epithelial ovarian cancer therapy.

References

Shi-Peng G, et al. (2017) Tmed2 promotes epithelial ovarian cancer growth. *Oncotarget* 8 (55): 94151-94165. Hou W, et al. (2018) Tmed2/emp24 is required in both the chorion and the allantois for placental labyrinth layer development. *Dev Biol* 444 (1): 20-32. Hou W, et al. (2017) Non-alcoholic fatty liver disease in mice with heterozygous mutation in tmed2. *PLoS One* 12 (8): e0182995.

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/tmed2-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256083>