

Rabbit anti-Human TXNDC5 Polyclonal Antibody | anti-TXNDC5 antibody

Anti-TXNDC5 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256467	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

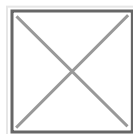
PRODUCT SYNONYMS

TXNDC5; Polyclonal Antibody; Anti-TXNDC5 Antibody; Rabbit Polyclonal; TXNDC5 Antibody; Rabbit PAb; Antigen Affinity Purified; anti-TXNDC5 antibody

PRODUCT SPECIFICATIONS

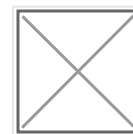
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TXNDC5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-TXNDC5 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human TXNDC5 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human TXNDC5 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)

TXNDC5 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate 4 uL anti-TXNDC5 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-TXNDC5 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 48 kDa. Observed band size: 50 kDa.



IF (Immunofluorescence)

Immunofluorescence staining of TXNDC5 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human TXNDC5 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 594-conjugated Goat Anti-rabbit IgG secondary antibody (red). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human TXNDC5 in human stomach with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-TXNDC5 rabbit polyclonal antibody at 1:5000 dilution
Lane A: HepG2 Whole Cell Lysate
Lane B: HeLa Whole Cell Lysate
Lane C: HEK293 Whole Cell Lysate
Lane D: 293T 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: 48 kDa Observed band size: 50 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TXNDC5 antibody

The protein encoded by TXNDC5 is a member of the protein disulfide isomerase family, which has disulfide isomerase activity and can act as the molecular chaperone to reduce the synthesis of abnormal proteins. Its biological functions include anti-oxidation, promoting angiogenesis, taking part in cellular inflammation, energy metabolism, etc. The expression of TXNDC5 is increased in many types of tumors including cervical carcinoma, gastric carcinoma and colorectal cancer. The thioredoxin domain-containing 5 (TXNDC5) gene is associated with susceptibility to rheumatoid arthritis (RA) and exhibits increased expression in the synovial tissues. TXNDC5 is also associated strongly with diabetes, a metabolic disease characterized by interrupted insulin signalling.

References

Mo R, et al. (2016) High txndc5 expression predicts poor prognosis in renal cell carcinoma. Tumour Biol 37 (7): 9797-9806. Li J, et al. (2018) Txndc5 contributes to rheumatoid arthritis by down-regulating igfbp1 expression. Clin Exp Immunol 192 (1): 82-94. Li J, et al. (2017) [progress of research on txndc5]. Zhonghua Yi Xue Yi Chuan Xue Za Zhi 34 (3): 448-450.

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/txndc5-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/256467>