

Rabbit anti-Human COL4A3BP Polyclonal Antibody | anti-COL4A3BP antibody

Anti-COL4A3BP Antibody, Rabbit Polyclonal

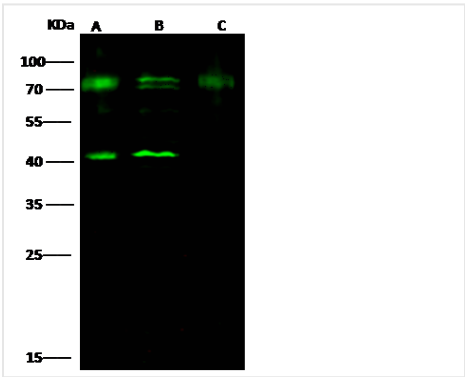
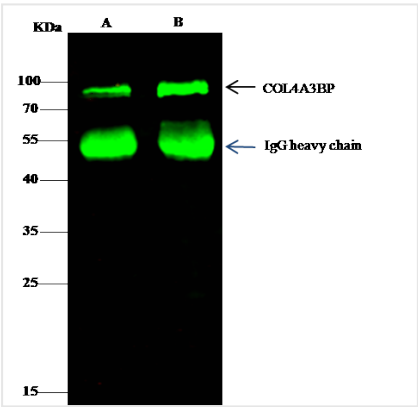
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255752	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

COL4A3BP; Polyclonal Antibody; Anti-COL4A3BP Antibody; Rabbit Polyclonal; COL4A3BP Antibody; Rabbit PAb; Antigen Affinity Purified; collagen; type IV; alpha 3 (Goodpasture antigen) binding protein; Anti-CERT Antibody; Anti-CERTL Antibody; Anti-GPBP Antibody; Anti-STARD11 Antibody; anti-COL4A3BP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human COL4A3BP
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-COL4A3BP antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human COL4A3BP protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human COL4A3BP (rh COL4A3BP). COL4A3BP specific IgG was purified by Human COL4A3BP 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. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-COL4A3BP rabbit polyclonal antibody at 1:500 dilution
Lane A: HELA Whole Cell Lysate
Lane B: A431 Whole Cell Lysate
Lane C: 293T Whole Cell Lysate
Lysates/proteins at 30 ug per lane.
Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.
Developed using the Odyssey technique.
Performed under reducing conditions.
Predicted band size: 71 kDa
Observed band size: 71 kDa
(We are unsure as to the identity of these extra bands.)

IP (Immunoprecipitation)
COL4A3BP was immunoprecipitated using:
Lane A: 0.5 mg A431 Whole Cell Lysate
Lane B: 0.5 mg HELA Whole Cell Lysate
0.5 uL anti-COL4A3BP rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose.
Primary antibody: Anti-COL4A3BP rabbit polyclonal antibody, at 1:350 dilution
Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution
Developed using the Odyssey technique.
Performed under reducing conditions.
Predicted band size: 71 kDa
Observed band size: 71 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-COL4A3BP antibody	COL4A3BP is a member of the StarD2 subfamily. It contains a pleckstrin homology domain at its amino terminus and a START domain towards the end of the molecule. COL4A3BP has a lipid-binding domain that mediates intracellular trafficking of ceramide in a non-vesicular manner. One isoform of COL4A3BP is also involved in ceramide intracellular transport. COL4A3BP specifically phosphorylates the N-terminal region of the non-collagenous domain of the alpha 3 chain of type IV collagen, known as the Goodpasture antigen. An autoimmune response directed at this antigen can cause goodpasture disease.
References	Rual JF, et al. (2005) Towards a proteome-scale map of the human protein-protein interaction network. Nature. 437(7062):1173-8. Granero F, et al. (2005) A human-specific TNF-responsive promoter for Goodpasture antigen-binding protein. FEBS J. 272(20):5291-305. Longo I, et al. (2006) Autosomal recessive Alport syndrome: an in-depth clinical and molecular analysis of five families. Nephrol Dial Transplant. 21(3):665-71.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031717
NCBI GeneID	10087
NCBI Accession #	NP_005704.1
NCBI GenBank Nucleotide #	NM_005713.2
UniProt Accession #	Q9Y5P4; Q53YV1; Q53YV2; Q96Q85; Q96Q88; Q9H2S7; Q9H2S8; A8K7S2; B3KUB7
Molecular Weight	70,835 Da
NCBI Official Full Name	collagen type IV alpha-3-binding protein isoform 1
NCBI Official Synonym Full Names	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein
NCBI Official Symbol	COL4A3BP
NCBI Official Synonym Symbols	CERT; GPBP; CERTL; STARD11
NCBI Protein Information	collagen type IV alpha-3-binding protein; hCERT; ceramide transporter; ceramide transfer protein; lipid-transfer protein CERTL; STAR-related lipid transfer (START) domain containing 11
UniProt Protein Name	Collagen type IV alpha-3-binding protein
UniProt Gene Name	COL4A3BP

UniProt Synonym Gene Names	CERT; STARD11; hCERT; GPBP; StARD11
UniProt Entry Name	C43BP_HUMAN

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/col4a3bp-antibody-immunoprecipitation-western-blot-elisa/255752>