

Rabbit COL4A3BP Polyclonal Antibody | anti-COL4A3BP antibody

COL4A3BP Antibody

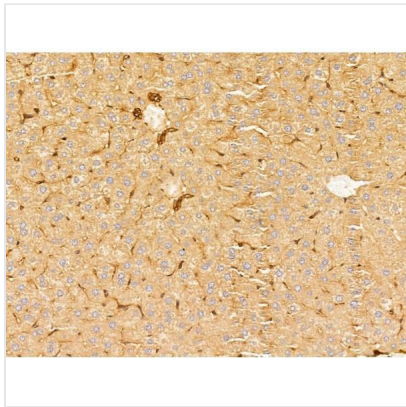
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31260	Rabbit	Human, Mouse, Rat Predicted Reactivity: Zebrafish(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%)	ELISA

PRODUCT SYNONYMS

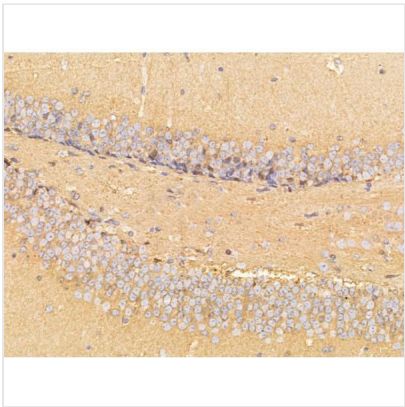
COL4A3BP; Polyclonal Antibody; COL4A3BP Antibody; Alpha 3 type IV collagen binding protein; C43BP_HUMAN; Ceramide transfer protein; Ceramide transporter; CERT; Cert protein; CERTL; col4a3bp; Collagen type IV alpha 3 (Goodpasture antigen) binding protein; Collagen type IV alpha 3 binding protein; Collagen type IV alpha-3-binding protein; FLJ20597; Goodpasture antigen binding protein; Goodpasture antigen-binding protein; GPBP; hCERT; Lipid transfer protein CERTL; Procollagen type IV alpha 3 (Goodpasture antigen) binding protein; StAR related lipid transfer (START) domain containing 11; StAR related lipid transfer protein 11; StAR-related lipid transfer protein 11; StARD 11; StARD11; START domain containing 11; START domain containing protein 11; START domain-containing protein 11; anti-COL4A3BP antibody

PRODUCT SPECIFICATIONS

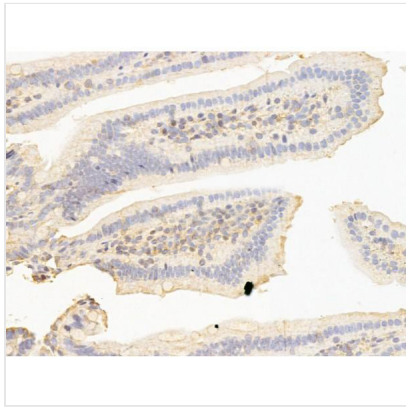
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Zebrafish(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	COL4A3BP Antibody detects endogenous levels of total COL4A3BP.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	624
Applicable Applications for anti-COL4A3BP antibody	ELISA
Application Notes	WB: 1:500-1:2000 IF: 1:100-1:500 ICC: 1:100-1:500 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human COL4A3BP, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



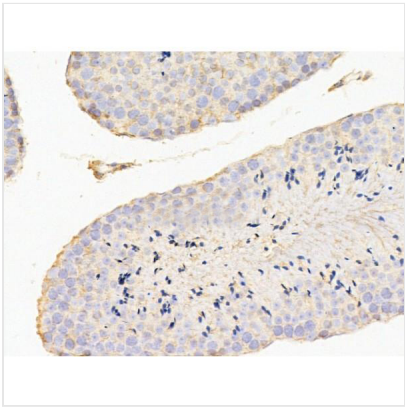
IHC (Immunohistochemistry-Paraffin)
AAA31260 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



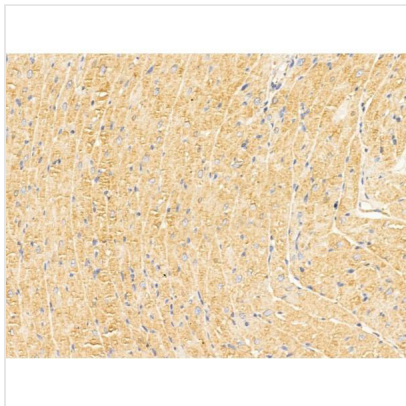
IHC (Immunohistochemistry-Paraffin)
AAA31260 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31260 at 1/100 staining Mouse colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31260 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31260 at 1/100 staining Mouse pancreatic tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31260 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-COL4A3BP antibody	Function: Shelters ceramides and diacylglycerol lipids inside its START domain and mediates the intracellular trafficking of ceramides and diacylglycerol lipids in a non-vesicular manner.
	Post Translational Modifications: Phosphorylation on Ser-132 decreases the affinity toward phosphatidylinositol 4-phosphate at Golgi membranes and reduces ceramide transfer activity. Inactivated by hyperphosphorylation of serine residues by CSNK1G2/CK1 that triggers dissociation from the Golgi complex, thus down-regulating ER-to-Golgi transport of ceramide and sphingomyelin synthesis.
	Subcellular Location: Cytoplasm. Golgi apparatus. Endoplasmic reticulum. Note: Preferentially localized to the Golgi apparatus.
	Tissue Specificity: Widely expressed.
	Subunit Structure: Interacts with VAPA and VAPB. Interaction with VAPB is less efficient than with VAPA.
Similarity: The START domain recognizes ceramides and diacylglycerol lipids, interacts with membranes, and mediates the intermembrane transfer of ceramides and diacylglycerol lipids.The PH domain targets the Golgi apparatus.The FFAT motif is required for interaction with VAPA and VAPB.	

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031717
NCBI GeneID	10087
NCBI Accession #	NP_005704.1
NCBI GenBank Nucleotide #	NP_005704.1
UniProt Accession #	Q9Y5P4
Molecular Weight	Observed Molecular Weight: (Observed)70kD. Predicted Molecular Weight: (Calculated)71kDa.
NCBI Official Full Name	ceramide transfer protein isoform 1
NCBI Official Synonym Full Names	ceramide transporter 1
NCBI Official Symbol	CERT1
NCBI Official Synonym Symbols	CERT; GPBP; CERTL; MRD34; STARD11; COL4A3BP
NCBI Protein Information	ceramide transfer protein
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-elisa/31260>