

Rabbit anti-Human, Pig Collagen Type III Alpha 1 (COL3a1) Polyclonal Antibody | anti-COL3a1 antibody

Polyclonal Antibody to Collagen Type III Alpha 1 (COL3a1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA132083	Rabbit	Human, Pig	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry

PRODUCT SYNONYMS

Collagen Type III Alpha 1 (COL3a1); Polyclonal Antibody; Polyclonal Antibody to Collagen Type III Alpha 1 (COL3a1); anti-COL3a1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Pig
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against COL3a1. It has been selected for its ability to recognize COL3a1 in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Supplied as solution form in PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Concentration	0.49mg/ml (varies by lot)
Sequence	Antigen: The target protein is fused with a C-terminal tag, His-tag and its sequence is listed below. MRNK KFELGLEFPN LPYYIDGDVK LTQSMALIRY IADKHNMLGG CPKERAISM LEGAVLDIRY GVSRIAYSKD FETLKVDFLS KLPEMLKMF DRLCHKTYLN GDHVTHPDFM LYDALDVVLY MDPMCLDAFP KLVCFKKRIE AIPQIDKYLK SSKYIAWPLQ GWQATFGGGD HPPKSDGSTS GSGHHHHHHS AGLVPRGSTA IGMKETAAAK FERQHMDSPD LGTLEVLFGG PLGSEF-GGE KAGGFAPYYG DEPMDFKINT DEIMTSLKSV NGQIESLISP DGSRKNPARN CRDLKFCHPE LKSGEYWVDP NQGCKLDAIK VFCNMETGET CISANPLNVP RKHWWTDSSA EKKHVWFGES MDGGFQFSYG NPELPEDVLD VHLAFLRLS SRASQNITYH CKNSIAYMDQ ASGNVKKALK LMGSNEGEFK AEGNSKFTYT VLEDGCTKHT GEWSKTVFEY RTRKAVRLPI VDIAPYDIGG PDQEFQVDVG PVCFL
Sequence Length	1466
Applicable Applications for anti-COL3a1 antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Immunogen	Recombinant COL3a1 (Gly1059-Leu1466) expressed in E.coli.
Cross Reactivity	Human, Pig
Conjugated Antibody	The APC conjugated antibody version of this item is also available as
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



Knockout Validation

Knockout Validation: Lane 1: Wild-type BXP3 cell lysate; Lane 2: COL3a1 knockout BXP3 cell lysate; Predicted MW: 111,138kd Observed MW: 110kd Primary Ab: 1ug/ml Rabbit Anti-Human COL3a1 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



IHC (Immunohistochemistry)

DAB staining on IHC-P; Samples: Human Stomach Tissue



WB (Western Blot)

Western Blot: Sample: Recombinant protein.



WB (Western Blot)

Western Blot: Sample: Porcine Spleen lysate; Primary Ab: 1ug/ml Rabbit Anti-Human COL3a1 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

ADDITIONAL INFORMATION

Product Categories/Family for anti-COL3a1 antibody	Knock-Out Validation Antibody
--	-------------------------------

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502951
NCBI GeneID	1281
NCBI Accession #	NP_000081.1
NCBI GenBank Nucleotide #	NM_000090.3
UniProt Accession #	P02461; P78429; Q15112; Q16403; Q53S91; Q541P8; Q6LDB3; Q6LDJ2; Q6LDJ3; Q7KZ56; D2JYH5; D3DPH4
Molecular Weight	111,907 Da
NCBI Official Full Name	collagen alpha-1(III) chain preproprotein
NCBI Official Synonym Full Names	collagen type III alpha 1 chain
NCBI Official Symbol	COL3A1
NCBI Official Synonym Symbols	EDS4A
NCBI Protein Information	collagen alpha-1(III) chain
UniProt Protein Name	Collagen alpha-1(III) chain
UniProt Gene Name	COL3A1

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.