

Rabbit COL4A6 Polyclonal Antibody | anti-COL4A6 antibody

COL4A6 Antibody

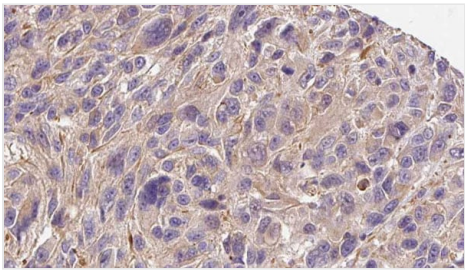
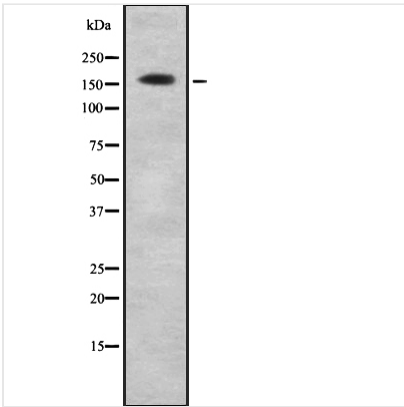
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322504	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

COL4A6; Polyclonal Antibody; COL4A6 Antibody; Collagen Alpha 6(IV); Collagen alpha 6(IV) chain; Collagen IV alpha 6 polypeptide; Collagen of basement membrane alpha 6; Collagen type IV alpha 6; dJ889N15.4; MGC88184; Type IV alpha 6 collagen; anti-COL4A6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	COL4A6 antibody detects endogenous levels of total COL4A6
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1633
Applicable Applications for anti-COL4A6 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human COL4A6
Subcellular Location	Secreted
Predicted Cross Reactivity	Bovine, Sheep, Dog
Similarity	Bovine (92%), Sheep (83%), Dog (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA322504 at 1/100 staining Human Melanoma 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 antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of COL4A6 using K562 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-COL4A6 antibody

Function: Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen.

Subunit Structure: There are six type IV collagen isoforms, alpha 1(IV)-alpha 6(IV), each of which can form a triple helix structure with 2 other chains to generate type IV collagen network.

Post-translational Modifications: Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains. Type IV collagens contain numerous cysteine residues which are involved in inter-and intramolecular disulfide bonding. 12 of these, located in the NC1 domain, are conserved in all known type IV collagens. The trimeric structure of the NC1 domains is stabilized by covalent bonds between Lys and Met residues.

Similarity: Alpha chains of type IV collagen have a non-collagenous domain (NC1) at their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain. Belongs to the type IV collagen family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	567757604
NCBI GeneID	1288
NCBI Accession #	NP_001274689.1
NCBI GenBank Nucleotide #	NM_001287760.1
UniProt Accession #	Q14031; Q12823; Q14053; Q5JYH6; Q5JYH8; Q9NQM5; Q9NTX3; Q9UJ76; Q9UMG6; Q9Y4L4
Molecular Weight	Observed: 160 kDa Predicted: 164 kDa
NCBI Official Full Name	collagen alpha-6(IV) chain isoform 5
NCBI Official Synonym Full Names	collagen type IV alpha 6 chain
NCBI Official Symbol	COL4A6
NCBI Official Synonym Symbols	DFNX6; DELXq22.3; CXDELq22.3
NCBI Protein Information	collagen alpha-6(IV) chain
UniProt Protein Name	Collagen alpha-6(IV) chain
UniProt Gene Name	COL4A6

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/col4a6-antibody-immunohistochemistry-western-blot-elisa/322504>