

Goat anti-COL4A6 Antibody

Item Number	dAP-1906
Target Molecule	Principle Name: COL4A6; Official Symbol: COL4A6; All Names and Symbols: COL4A6; collagen, type IV, alpha 6; MGC88184; OTTHUOMP0000023834; OTTHUOMP0000023835; collagen IV, alpha-6 polypeptide; collagen alpha 6 type IV; collagen of basement membrane, alpha-6; dJ889N15.4 (Collagen Alpha 6(IV)); type IV alpha 6 collagen; Accession Number (s): NP_001838.2; NP_378667.1; Human Gene ID(s): 1288; Non-Human GeneID(s):
Immunogen	PSPEFETETLHNKES, is from internal region This antibody is expected to recognize both reported isoforms (NP_001838.2; NP_378667.1).
Applications	Pep ELISA Species Tested:
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Preliminary experiments gave an approx 20kDa band in Human Heart, Kidney and Skeletal Muscle lysates after 0.3 µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given
IHC	
Reference	Reference(s): Zhang X, Zhou J, Reeders ST, Tryggvason K Structure of the human type IV collagen COL4A6 gene, which is mutated in Alport syndrome-associated leiomyomatosis Genomics. 1996 May 33 (3): 473-9..PMID: 8661006->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**