

Goat anti-COL4A4 (aa1555-1565) Antibody

Item Number	dAP-3138
Target Molecule	Principle Name: COL4A4 (aa1555-1565); Official Symbol: COL4A4; All Names and Symbols: COL4A4; collagen, type IV, alpha 4; CA44; Collagen IV, alpha-4 polypeptide; collagen alpha-4(IV) chain; collagen of basement membrane, alpha-4 chain; Accession Number (s): NP_000083.3; Human Gene ID(s): 1286; Non-Human GeneID(s):
Immunogen	SEEAIRPYVSR, is from internal region (near C terminus)
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 64000.
Western Blot	Western Blot: Preliminary experiments in lysates of several human tissues and cell lines gave no specific signal but low background (at antibody concentration up to 1µg/ml).
IHC	

Reference	Reference(s): Gioia M, Monaco S, Van Den Steen PE, Sbardella D, Grasso G, Marini S, Overall CM, Opendakker G, Coletta M. The collagen binding domain of gelatinase A modulates degradation of collagen IV by gelatinase B. J Mol Biol. 2009 Feb 12;386(2):419-34..PMID: 19109975->
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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 ender users! This product is sold for **Research Use Only**