

Goat anti-COL4A4 (aa1555-1565) Antibody

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| 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 GenID(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, Opdenakker G, Coletta M. The collagen binding domain of gelatinase A modulates degradation of collagen IV by gelatinase B. <i>J Mol Biol.</i> 2009 Feb 120;386(2):419-34..PMID: 19109975-> |

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**