

## Goat anti-kininogen 1 Antibody

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| <b>Item Number</b>     | dAP-2995                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Target Molecule</b> | Principle Name: kininogen 1; Official Symbol: KNG1; All Names and Symbols: KNG1; kininogen 1; BDK; KNG; HMWK; alpha-2-thiol proteinase inhibitor; bradykinin; fitzgerald factor; high molecular weight kininogen; kininogen-1; williams-Fitzgerald-Flaujeac factor; Accession Number (s): NP_001095886.1; NP_000884.1; NP_001159923.1; Human Gene ID(s): 3827; Non-Human GeneID(s): |
| <b>Immunogen</b>       | RITEATKTVGSDT, is from internal region (near N terminus)<br>This antibody is expected to recognize all reported isoforms (NP_001095886.1; NP_000884.1; NP_001159923.1).                                                                                                                                                                                                             |
| <b>Applications</b>    | Pep ELISA, WB<br><br>Species Tested: Human                                                                                                                                                                                                                                                                                                                                          |
| <b>Purification</b>    | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.                                                                                                                                                                                                                                               |
| <b>Supplied As</b>     | 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.<br>Aliquot and store at -20°C. Minimize freezing and thawing.                                                                                            |
| <b>Peptide ELISA</b>   | Peptide ELISA: antibody detection limit dilution 1 to 128000.                                                                                                                                                                                                                                                                                                                       |
| <b>Western Blot</b>    | Western Blot: Approx 80+60+30kDa bands observed in Human Kidney lysates (calculated MW of 72.0kDa according to NP_001095886.1). The observed MW bands are explained by glycosylation and the splitting into heavy and light chains from the precursor protein.                                                                                                                      |
| <b>IHC</b>             |                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Reference</b>       | Reference(s): Kolte D, Osman N, Yang J, Shariat-Madar Z. High molecular weight kininogen activates B2 receptor signaling pathway in human vascular endothelial cells. J Biol Chem. 2011 Jul 15;286(28):24561-71..PMID: 21586566->                                                                                                                                                   |

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**