

## Goat anti-PDE5A Antibody

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| <b>Item Number</b>     | dAP-0610  |
| <b>Target Molecule</b> | Principle Name: PDE5A; Official Symbol: PDE5A; All Names and Symbols: PDE5A; CN5A; PDE5; PDE5A1; CGB-PDE; phosphodiesterase 5A, cGMP-specific; cGMP-binding cGMP-specific 3',5'-cyclic nucleotide phosphodiesterase; Accession Number (s): NP_001074.2; NP_246273.2; NP_236914.2; (NP_237223); Human Gene ID(s): 8654; Non-Human GeneID(s): |
| <b>Immunogen</b>       | LINGESGQAKRN, is from C Terminus<br>This antibody is expected to recognise reported isoforms NP_001074.2, NP_236914.2 and NP_246273.2.  |
| <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 16000.  |
| <b>Western Blot</b>    | Western Blot: Approx 100kDa band observed in Human Lung lysates (calculated MW of 100kDa according to isoform 1, NP_001074.2). In transfected HEK293 transiently expressing PDE5A isoform 2 a band of approx. 95kDa is observed. This band is not observed in   |
| <b>IHC</b>             |   |
| <b>Reference</b>       | Reference(s): Morelli A, Filippi S, Mancina R, Luconi M, Vignozzi L, Marini M, Orlando C, Vannelli GB, Aversa A, Natali A, Forti G, Giorgi M, Jannini EA, Ledda F, Maggi M. Androgens regulate phosphodiesterase type 5 expression and functional activity in corpora cavernosa. Endocrinology. 2004 May;145(5):2253-                       |

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**