

## Goat anti-CYB5R3 / Dia 1 Antibody

<b>Item Number</b>	dAP-2306
<b>Target Molecule</b>	Principle Name: CYB5R3 / Dia 1 ; Official Symbol: CYB5R3; All Names and Symbols: CYB5R3; cytochrome b5 reductase 3; B5R; DIA1; NADH-cytochrome b5 reductase 3; NADH-cytochrome b5 reductase 3 membrane-bound form; NADH-cytochrome b5 reductase 3 soluble form; OTTHUMP00000198574; OTTHUMP00000198665; diaphorase-1; Accession Number (s): NP_000389.1; NP_001123291.1; NP_001165131.1; Human Gene ID(s): 1727; Non-Human GeneID(s):
<b>Immunogen</b>	CLPNLDHVGHPTEP, is from C Terminus This antibody is expected to recognize all three reported isoforms (NP_000389.1; NP_001123291.1; NP_001165131.1).
<b>Applications</b>	Pep ELISA, WB, IHC  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. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	Western Blot: Approx 37kDa band observed in Human Placenta, Testis and Umbilical Cord lysates (calculated MW of 38.2kDa according to NP_001165131.1). Recommended concentration: 0.01-0.03µg/ml.
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Adrenal Gland shows heavy vesicular/granular staining in the cytoplasm of medular cells. Recommended concentration, 3-5µg/ml.
<b>Reference</b>	Reference(s): Fernandez-Borja M, Janssen L, Verwoerd D, Hordijk P, Neefjes J, RhoB regulates endosome transport by promoting actin assembly on endosomal membranes through Dia1. J. Cell. Sci. 2005 Jun 118 (Pt 12): 2661-70..PMID: 15944396->

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**