

Goat anti-CYB5R3 / Dia 1 Antibody

Item Number	dAP-2306
Target Molecule	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; OTTHUOMP00000198574; OTTHUOMP00000198665; diaphorase-1; Accession Number (s): NP_000389.1; NP_001123291.1; NP_001165131.1; Human Gene ID(s): 1727; Non-Human GenelD(s):
Immunogen	CLPNLDHVGHPTER, is from C Terminus This antibody is expected to recognize all three reported isoforms (NP_000389.1; NP_001123291.1; NP_001165131.1).
Applications	Pep ELISA, WB, IHC Species Tested: Human
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 32000.
Western Blot	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.
IHC	Immunohistochemistry: In paraffin embedded Human Adrenal Gland shows heavy vesicular/granular staining in the cytoplasm of medular cells. Recommended concentration, 3-5µg/ml.
Reference	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. <i>J. Cell. Sci.</i> 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 end users! This product is sold for **Research Use Only**