

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB10696 - Goat Anti-CYB5R3 / Dia 1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** 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, OTTHUMP000001986574, OTTHUMP00000198665

**Official Symbol:** CYB5R3

**Accession Number(s):** NP\_000389.1; NP\_001123291.1; NP\_001165131.1

**Human GeneID(s):** [1727](#)

**Important Comments:** This antibody is expected to recognize all three reported isoforms (NP\_000389.1; NP\_001123291.1; NP\_001165131.1).

### Immunogen

Peptide with sequence CLPNLDHVGHPTEP, from the C Terminus of the protein sequence according to NP\_000389.1; NP\_001123291.1; NP\_001165131.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

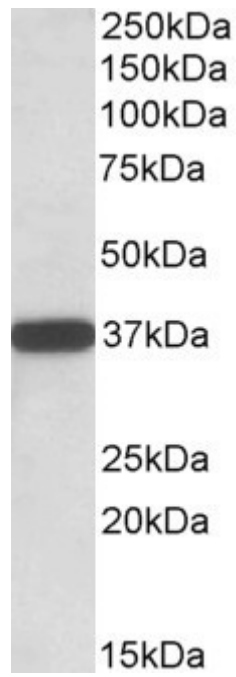
**Western blot:** Approx 37kDa band observed in Human Placenta, Testis and Umbilical Cord lysates (calculated MW of 38.2kDa according to NP\_001165131.1). Recommended concentration: 0.01-0.03µg/ml.

**IHC:** In paraffin embedded Human Adrenal Gland shows heavy vesicular/granular staining in the cytoplasm of medular cells. Recommended concentration, 3-5µg/ml.

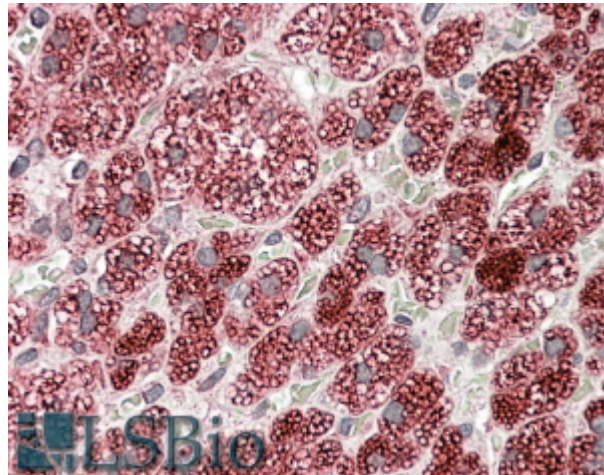
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB10696 (0.01 $\mu$ g/ml) staining of Human Umbilical Cord lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10696 (3.8 $\mu$ g/ml) staining of paraffin embedded Human Adrenal Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.