



## Goat anti-Cytochrome b reductase 1 Antibody

<b>Item Number</b>	dAP-0595
<b>Target Molecule</b>	Principle Name: Cytochrome b reductase 1; Official Symbol: CYBRD1; All Names and Symbols: CYBRD1; DCYTB; FLJ23462; cytochrome b reductase 1; duodenal cytochrome b; FRRS3; ferric-chelate reductase 3; Accession Number (s): NP_079119.3; Human Gene ID(s): 79901; Non-Human GeneID(s):
<b>Immunogen</b>	CRNLALDEAGQRSTM, is from C Terminus This antibody is expected to recognise isoform 1 (NP_079119.3) only.
<b>Applications</b>	Pep ELISA, 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 16000.
<b>Western Blot</b>	Western Blot: Experiments gave bands at approx 35kDa and a 26+28kDa doublet in human colon lysate after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated s
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Testis shows membranous staining in primarily myofibroblasts of the basement membrane surrounding the seminiferous tubules. Recommended concentration: 2-5µg/ml. Paraffin embedded Human Small Intestine. Rec
<b>Reference</b>	Reference(s): Atanasova BD, Li AC, Bjarnason I, Tzatchev KN, Simpson RJ. Duodenal ascorbate and ferric reductase in human iron deficiency. Am J Clin Nutr. 2005 Jan;81(1):130-3. PMID: 15640471 ->

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**