



## International Office

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

## EB06633 - Goat Anti-Cytochrome b reductase 1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CYBRD1, DCYTB, FLJ23462, cytochrome b reductase 1, duodenal cytochrome b, FRRS3, ferric-chelate reductase 3

**Official Symbol:** CYBRD1

**Accession Number(s):** NP\_079119.3

**Human GeneID(s):** [79901](#)

**Important Comments:** This antibody is expected to recognise isoform 1 (NP\_079119.3) only.

### Immunogen

Peptide with sequence CRNLALDEAGQRSTM, from the C Terminus of the protein sequence according to NP\_079119.3.

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 1:16000.

**Western blot:** Preliminary experiments gave bands at approx 35kDa and a 26+28kDa doublet in human colon lysate after 0.1µg/ml antibody staining. The detected bands were all successfully blocked by with the immunizing peptide. This antibody was successfully used in WB on Human in PMID: 24894955, 21973163 and 18830567.

**IHC:** 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. Recommended concentration: 2.5ug/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Dog, Pig, Cow

### Specific References

**This antibody has been successfully used in WB on Human:**

Dostalíkova-Cimbuřová M, Balusíková K, Kratka K, Chmelíková J, Hejda V, Hnaníček J, Neubauerová J, Vranová J, Kovar J, Horak J.

Role of duodenal iron transporters and hepcidin in patients with alcoholic liver disease. J Cell Mol Med. 2014 Jun 3.

PMID: 24894955

**This antibody has been successfully used in WB on Human:**

Dostalíkova-Cimbuřová M, Kratka K, Balusíková K, Chmelíková J, Hejda V, Hnaníček J, Neubauerová J, Vranová J, Kovar J, Horak J.

Duodenal expression of iron transport molecules in patients with hereditary hemochromatosis or iron deficiency.

J Cell Mol Med. 2012 Aug;16(8):1816-26.

PMID: 21973163

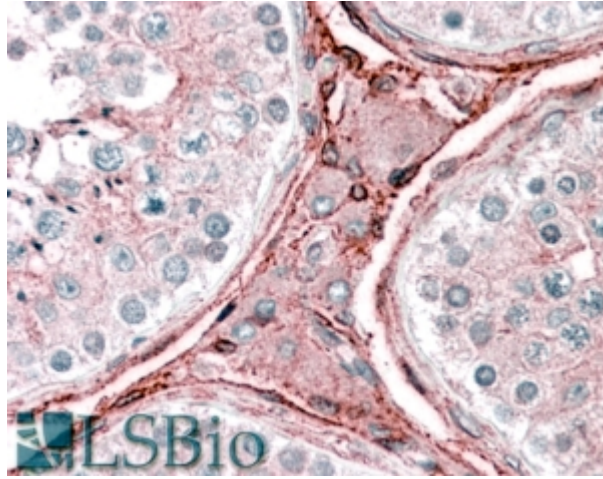
**This antibody has been successfully used in WB on Human:**

Balusikova K, Neubauerova J, Dostalikova-Cimburova M, Horak J, Kovar J.

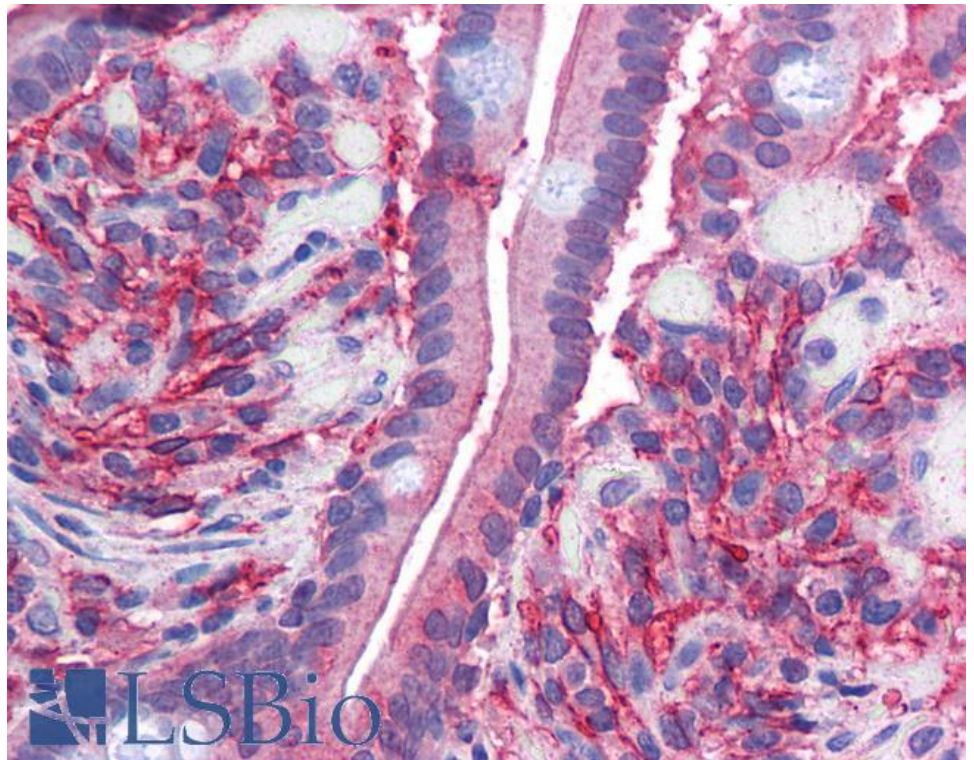
Differing expression of genes involved in non-transferrin iron transport across plasma membrane in various cell types under iron deficiency and excess.

Mol Cell Biochem. 2009 Jan;321(1-2):123-33.

PMID: 18830567



EB06633 (2.5µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06633 (2.5µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.