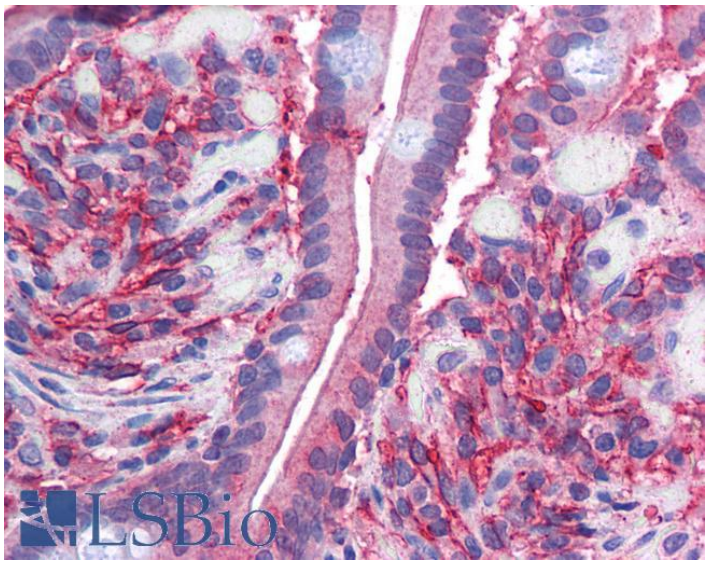
www.everestbiotech.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

GOAT ANTI-CYTOCHROME B REDUCTASE 1 ANTIBODY

SKU: EB06633



SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	ferric-chelate reductase 3|FRRS3|duodenal cytochrome b|cytochrome b reductase 1|FLJ23462|DCYTB|CYBRD1
Accession ID	NP_079119.3
Blocking Peptide	EBP06633
Immunogen	Peptide with sequence CRNLALDEAGQRSTM, from the C Terminus of the protein sequence according to NP_079119.3.
Product Comments	This antibody is expected to recognise isoform 1 (NP_079119.3) only.
Peptide Sequence	CRNLALDEAGQRSTM
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Shipping Instructions	Refrigerated
Predicted Species	Human, Dog, Pig, Cow
Reactive Species	Human
Human Gene ID	79901
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
IHC Results	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.
ELISA Detection Limit	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.
Application Type	Pep-ELISA, WB, IHC

SELECTED REFERENCES

[{"pmid": 18830567, "intro": "**This antibody has been successfully used in WB on Human:**", "title": "Differing expression of genes involved in non-transferrin iron transport across plasma membrane in various cell types under iron deficiency and excess.", "author": "Balusikova K, Neubauerova J, Dostalikova-Cimburova M, Horak J, Kovar J.", "journal": "Mol Cell Biochem. 2009 Jan;321(1-2):123-33."}, {"pmid": 24894955, "intro": "**This antibody has been successfully used in WB on Human:**", "title": "Role of duodenal iron transporters and hepcidin in patients with alcoholic liver disease.", "author": "Dostalikova-Cimburova M, Balusikova K, Kratka K, Chmelikova J, Hejda V, Hnanicek J, Neubauerova J, Vranova J, Kovar J, Horak J.", "journal": "J Cell Mol Med. 2014 Jun 3."}, {"pmid": 21973163, "intro": "**This antibody has been successfully used in WB on Human:**", "title": "Duodenal expression of iron transport molecules in patients with hereditary hemochromatosis or iron\r\ndeficiency.", "author": "Dostalikova-Cimburova M, Kratka K, Balusikova K, Chmelikova J, Hejda V, Hnanicek J, Neubauerova J, Vranova J, Kovar J, Horak J.", "journal": "J Cell Mol Med. 2012 Aug;16(8):1816-26."}]

DOCUMENTS

- Data Sheet

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