

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB07914 - Goat Anti-COX4I1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: COX4I1, cytochrome c oxidase subunit IV isoform 1, COX4, COXIV,

MGC72016, COX4-1, COXIV-1, cytochrome c oxidase polypeptide IV

Official Symbol: COX4I1

Accession Number(s): NP_001852.1; NP_001305726.1

Human GenelD(s): 1327

Important Comments: This antibody is expected to recognize reported isoforms 1 and 4 (NP_001852.1; NP_001305726.1). Reported variants represent identical protein: NP_001305715.1, NP_001852.1. This product may cross-react to COX4I2 (GeneID

84701).

Immunogen

Peptide with sequence C-QGLASKWDYEKNE, from the C Terminus of the protein sequence according to NP_001852.1; NP_001305726.1.

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 1:4000.

Western blot: Approx 18kDa band observed in human skeletal muscle lysates (calculated MW of 19.6kDa according to NP_001852.1). Recommended concentration: 0.01-0.03µg/ml.

IHC: Paraffin embedded Human Thyroid and Testis. Recommended concentration: 2.5µg/ml.

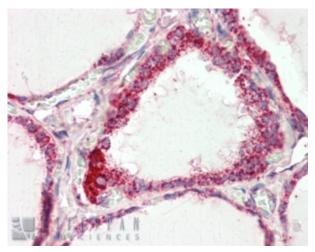
Species Reactivity

Tested: Human

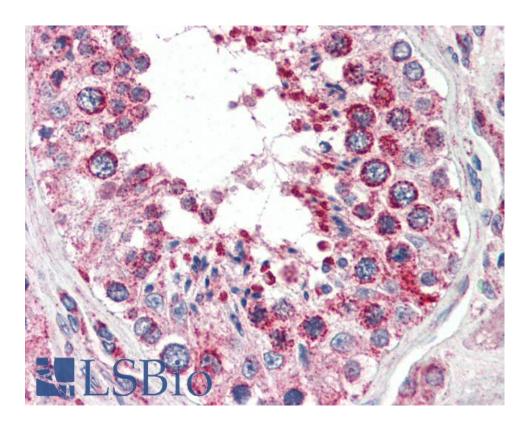
Expected from sequence similarity: Human



EB07914 ($0.01\mu g/ml$) staining of human muscle lysate ($35\mu g$ protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB07914 (2.5μg/ml) staining of paraffin embedded Human Thyroid Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07914 (2.5μg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.