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Research Use Only. Not for diagnostic or therapeutic use.

EB07914-B - Goat Anti-COX4I1, Biotinylated Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: COX4I1, cytochrome c oxidase subunit IV isoform 1, COX4, COX4-1, COXIV, COXIV-1, cytochrome c oxidase polypeptide IV Official Symbol: COX4I1 Accession Number(s): NP_001852.1; NP_001305726.1 Human GeneID(s): <u>1327</u> 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.

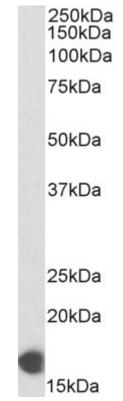
Applications Tested

Peptide ELISA: antibody detection limit dilution 1:4000.

Western blot: Approx 17kDa band observed in Human Skeletal Muscle lysates (calculated MW of 19.6kDa according to NP_001852.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 0.1-0.3µg/ml.

Species Reactivity

Tested: Human Expected from sequence similarity: Human



Biotinylated EB07914 (0.1µg/ml) staining of Human Skeletal Muscle lysate (35µg protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.