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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, MGC72016

Official Symbol: COX4I1

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

Human GeneID(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 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 (0.1 $\mu\text{g}/\text{ml}$) staining of Human Skeletal Muscle lysate (35 μg 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.