



## UK Office

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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  $\mu\text{g}$  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.