

## Goat anti-COX4I1 Antibody

Item Number	dAP-1183
Target Molecule	Principle Name: COX4I1; Official Symbol: COX4I1; All Names and Symbols: COX4I1; cytochrome c oxidase subunit IV isoform 1 ; COX4; COXIV; MGC72016 ; Accession Number (s): NP_001852.1; NP_001305726.1; Human Gene ID(s): 1327; Non-Human GenID(s):
Immunogen	QGLASKWDYEKNE, is from C Terminus 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
Applications	Pep ELISA, WB, IHC  Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 4000.
Western Blot	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	Immunohistochemistry: In paraffin embedded Human Thyroid Gland shows pixilate (mitochondrial) staining in the cytoplasm of epithelial cells. Recommended concentration, 2-4µg/ml.
Reference	Reference(s): Fukuda R, Zhang H, Kim JW, Shimoda L, Dang CV, Semenza GL. HIF-1 regulates cytochrome oxidase subunits to optimize efficiency of respiration in hypoxic cells. <i>Cell</i> . 2007 Apr 6;129(1):111-22. .PMID: 17418790 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**