

## Goat anti-COX4I1 Antibody

<b>Item Number</b>	dAP-1183
<b>Target Molecule</b>	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 GeneID(s):
<b>Immunogen</b>	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
<b>Applications</b>	Pep ELISA, WB, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 4000.
<b>Western Blot</b>	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.
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Thyroid Gland shows pixulate (mitochondrial) staining in the cytoplasm of epithelial cells. Recommended concentration, 2-4µg/ml.
<b>Reference</b>	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. Cell. 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 ender users! This product is sold for **Research Use Only**