

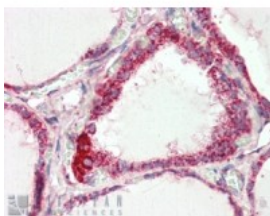


COX4I1 Antibody

CATALOG NUMBER: 45-424



Western blot (0.01 ug/ml) staining of human muscle lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (2.5ug/ml) staining of paraffin embedded Human Thyroid Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC-P, WB
APPLICATIONS:	ELISA: antibody detection limit dilution 1:4000. Western Blot: Approx 18kDa band observed in human skeletal muscle lysates (calculated MW of 19.6kDa according to NP_001852.1). Recommended concentration: 0.01-0.03ug/ml. Immunohistochemistry: In paraffin embedded Human Thyroid Gland shows pixulate (mitochondrial) staining in the cytoplasm of epithelial cells. Recommended concentration, 2-4ug/ml.
POSITIVE CONTROL:	1) Cat. No. 1375 - Human Skeletal Muscle Tissue Lysate
SPECIFICITY:	This antibody is expected to recognize COX4I1 (GeneID:1327; MW: 19.6kDa) & COX4I2 (GeneID:84701, MW:19.6kDa).
IMMUNOGEN:	COX4I1 antibody was raised against a 13 amino acid synthetic peptide near the C-Terminus of COX4I1.
HOST SPECIES:	Goat

Properties

PURIFICATION:	COX4I1 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	COX4I1 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20°C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	COX4I1, cytochrome c oxidase subunit IV isoform 1, COX4, COXIV, MGC72016
ACCESSION NO.:	NP_001852.1
PROTEIN GI NO.:	4502981

OFFICIAL SYMBOL:	COX4I1
GENE ID:	1327; 84701

Background

REFERENCES: 1) 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.

FOR RESEARCH USE ONLY

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