

Datasheet for ABIN334378
anti-COX IV antibody (C-Term)

3 Images

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Overview

Quantity:	100 µg
Target:	COX IV (COX4I1)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This COX IV antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	COX4I1
Immunogen:	Peptide with sequence C-QGLASKWDYEKNE, from the C Terminus of the protein sequence according to NP_001852.1.
Sequence:	QGLASKWDYE KNE
Isotype:	IgG
Specificity:	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).
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

Product Details

chromatography using the immunizing peptide.

Grade: Verified

Target Details

Target: COX IV (COX4I1)

Alternative Name: COX4I1 ([COX4I1 Products](#))

Background: COX4I1, cytochrome c oxidase subunit IV isoform 1 , COX4, COXIV, MGC72016

Gene ID: 1327

NCBI Accession: [NP_001852](#), [NP_001305726](#)

Pathways: [Proton Transport](#)

Application Details

Application Notes: Immunohistochemistry: Paraffin embedded Human Thyroid and Testis. Recommended concentration: 2.5 µg/mL.

Western Blot: Approx 18 kDa band observed in human skeletal muscle lysates (calculated MW of 19.6 kDa according to NP_001852.1). Recommended concentration: 0.01-0.03 µg/mL.

Peptide ELISA: antibody detection limit dilution 1:4000.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

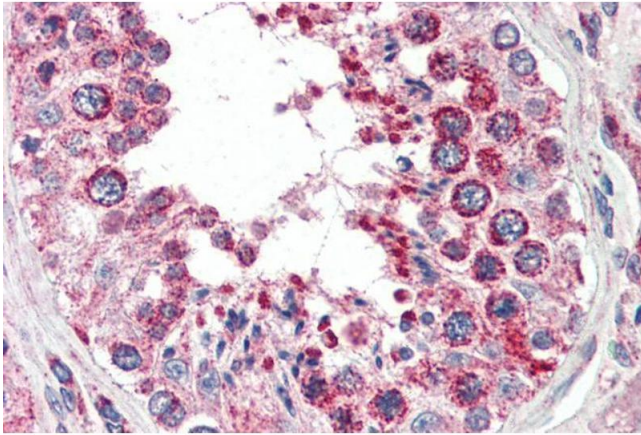
Handling Advice: Minimize freezing and thawing.

Storage: -20 °C

Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated

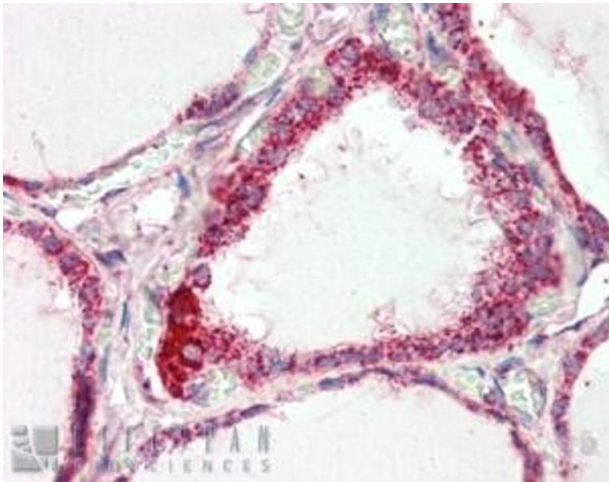
at 4°C for a few weeks and still remain viable.

Images



Immunohistochemistry

Image 1. ABIN334378 (2.5µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry

Image 2. ABIN334378 (2.5µg/ml) staining of paraffin embedded Human Thyroid Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blotting

Image 3. ABIN334378 (0.01µg/ml) staining of human muscle lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.