Rabbit anti-Human COX17 Polyclonal Antibody | anti-COX17 antibody

Anti-COX17 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA105273	**Rabbit**	**Human**	**Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

COX17; Polyclonal Antibody; Anti-COX17 Antibody; Cytochrome c oxidase copper chaperone; anti-COX17 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of COX17 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	63
Applicable Applications for anti-COX17 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human COX17. The exact sequence is proprietary.
Preparation and Storage	Upon receipt store at -20°C for one year. Avoid freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent analysis of COX17 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

IHC (Immunohiostchemistry)
Immunohistochemical analysis of COX17 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

WB (Western Blot)
Western blot analysis of COX17 expression in HepG2 (A), Jurkat (B) whole cell lysates. (Predicted band size: 6 kD; Observed band size: 7 kD

ADDITIONAL INFORMATION

Related Product Information for anti-COX17 antibody	Rabbit polyclonal antibody to COX17

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031645
NCBI GeneID	10063
NCBI Accession #	NP_005685.1
NCBI GenBank Nucleotide #	NM_005694.1
UniProt Accession #	Q14061; Q3MHD6; B2R5D2; D3DN84
NCBI Official Full Name	cytochrome c oxidase copper chaperone
NCBI Official Synonym Full Names	COX17 cytochrome c oxidase copper chaperone
NCBI Official Symbol	COX17
NCBI Protein Information	cytochrome c oxidase copper chaperone; cytochrome c oxidase 17 copper chaperone; cytochrome c oxidase assembly homolog 17; COX17 cytochrome c oxidase assembly homolog; human homolog of yeast mitochondrial copper recruitment
UniProt Protein Name	Cytochrome c oxidase copper chaperone
UniProt Gene Name	**COX17**
UniProt Entry Name	COX17_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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