Anti-COX17 Rabbit Polyclonal Antibody

GenuIN BIOTECH
REAL MATTERS

Catalog #: 50818

Aliases

Cytochrome c oxidase copper chaperone

Background

Gene Name: COX17
NCBI Gene Entry: 10063
UniProt Entry: Q14061

Application Information

Molecular Weight: Predicted, 6 kDa; observed, 7 kDa
Clonality: Rabbit polyclonal antibody
Species Reactivity: Human
Applications Tested: Western blotting (WB), immunohistochemistry (IHC), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human COX17

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:500-1:1,000
Immunohistochemistry (IHC): 1:50-1:100
Immunocytochemistry (IC): 1:50-1:200

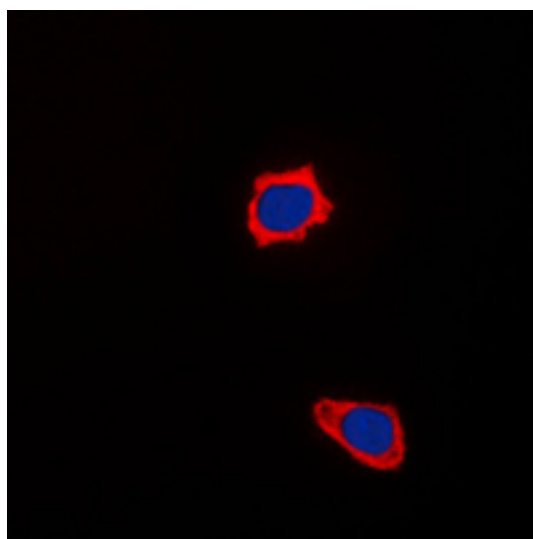**Note:** This product is for research use only.

Validation Data

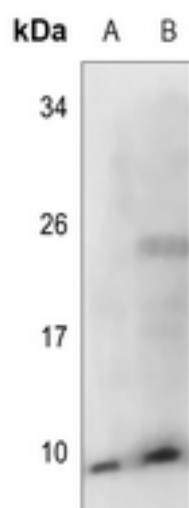
Immunocytochemical analysis of COX17 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C 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).
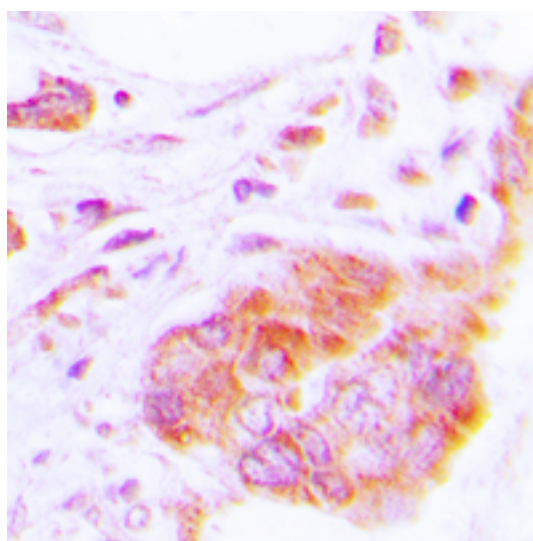
Immunohistochemical analysis of COX17 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Western blotting analysis of COX17 expression in HepG2 (A), Jurkat (B) whole cell lysates.

SUPPORT

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