003216589045 (EU)
0203393 8531 (UK)
(408)780-0908 (US)
info@gentaur.com
www.caslab.com

# COX17 Polyclonal Antibody

**Cat #:** G-AB-04728

**Host:** Rabbit **Reactivity:** Human, Mouse

**Isotype:** IgG **Clonality:** Polyclonal

**Overview:**
Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes a protein which is not a structural subunit, but may be involved in the recruitment of copper to mitochondria for incorporation into the COX apoenzyme. This protein shares 92% amino acid sequence identity with mouse and rat Cox17 proteins. This gene is no longer considered to be a candidate gene for COX deficiency. A pseudogene COX17P has been found on chromosome 13.

**Gene ID:**

**Accession #:** NP005685

**Immunogen:** Synthetic peptide of human COX17

**Conjugation:** Unconjugated

**Swissprot:** Q14061

**Calculated Molecular Weight:**

**Observed Molecular Weight:**

**Concentration:** 1.2 mg/mL

**Buffer:** PBS with 0.05% NaN3 and 40% Glycerol, pH7.4

**Purification Method:** Antigen affinity purification

**Application:** IHC,ELISA

**Dilution:** IHC 1:30-1:150, ELISA 1:2000-1:10000

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.