

## Product datasheet for **AP20541PU-N**

### COX17 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/50-1/200. <b>Immunofluorescence:</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to the N-terminal of Human Cox-17.
Specificity:	This antibody detects endogenous levels of COX17 protein. (region surrounding Asn8)
Formulation:	PBS, pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 7 kDa
Gene Name:	COX17 cytochrome c oxidase copper chaperone
Database Link:	<a href="#">Entrez Gene 12856 Mouse</a> <a href="#">Entrez Gene 89786 Rat</a> <a href="#">Entrez Gene 10063 Human Q14061</a>



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**Background:**

Cytochrome c oxidase 17 (COX17) is a nuclear gene encoding an assembly protein necessary for proper COX apoenzyme-dependent mitochondrial respiration. The mammalian COX apoenzyme is a heteromer consisting of three mitochondrial genes that encode catalytic subunits and several nuclear genes that encode structural subunits. COX17 influences the recruitment of copper to the mitochondria for incorporation into the COX apoenzyme.

**Synonyms:**

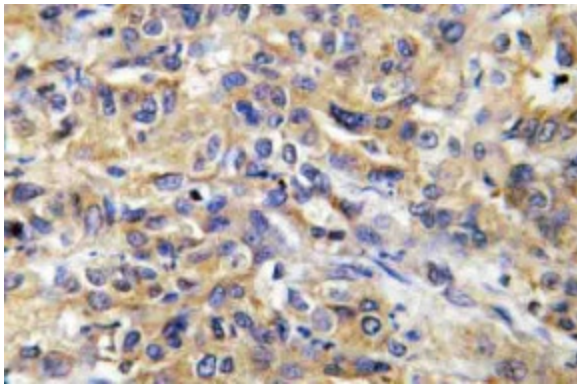
COX-17

**Protein Pathways:**

Metabolic pathways, Oxidative phosphorylation

**Product images:**

Western blot (WB) analysis of COX17 antibody in extracts from HeLa cells.



Immunohistochemistry (IHC) analyzes of COX17 antibody in paraffin-embedded human liver carcinoma tissue.