

Product datasheet for **TA371660**

COX17 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 30-150 Positive control: Human brain Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human COX17
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Gene Name:	COX17 cytochrome c oxidase copper chaperone
Database Link:	Entrez Gene 10063 Human Q14061



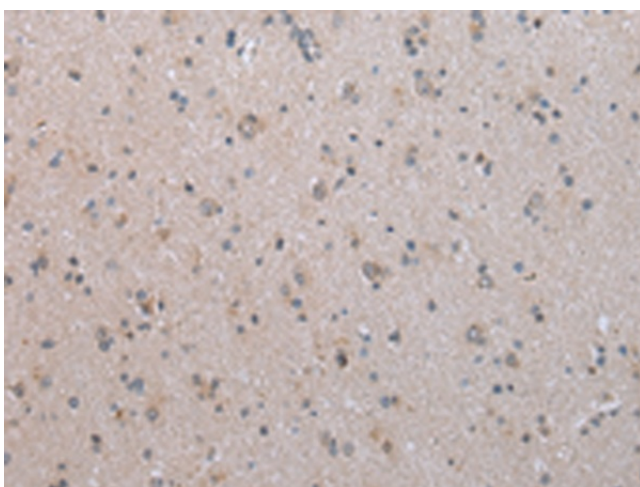
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Background:

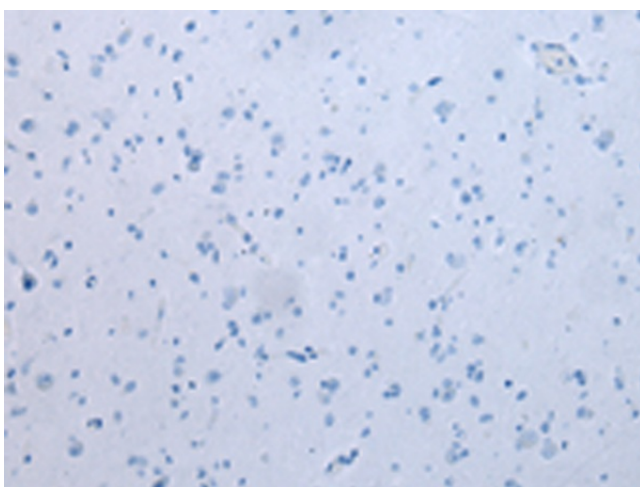
Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded 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.

Synonyms:

MGC104397; MGC117386

Product images:

Immunohistochemistry of paraffin-embedded Human brain tissue using TA371660 (COX17 Antibody) at dilution 1/45 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA371660 (COX17 Antibody) at dilution 1/45, treated with synthetic peptide. (Original magnification: $\times 200$)