
Product Information

Product SKU:	CAB14665	Gene ID:	1355	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Human,Mouse,Rat

Additional Information

Observed MW:	60kDa	Conjugate:	Unconjugated
Calculated MW:	46kDa	Isotype:	IgG

Immunogen Information

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 essential for the biogenesis of COX formation and may function in the hydroxylation of heme O, according to the yeast mutant studies. This protein is predicted to contain 5 transmembrane domains localized in the mitochondrial inner membrane. Alternative splicing of this gene generates two transcript variants diverging in the 3' region.
Recommended Dilution:	WB,1:500 - 1:2000 IHC-P,1:50 - 1:100 IF/ICC,1:50 - 1:100
Synonyms:	MC4DN6; CEMCOX2; COX15
Purification Method:	Affinity purification
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 150-250 of human COX15 (NP_510870.1).
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.