

## COX18 Conjugated Antibody

Catalog No: #C36801



Package Size: #C36801-AF350 100ul #C36801-AF405 100ul #C36801-AF488 100ul  
 #C36801-AF555 100ul #C36801-AF594 100ul #C36801-AF647 100ul  
 #C36801-AF680 100ul #C36801-AF750 100ul #C36801-Biotin 100ul

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## Description

Product Name	COX18 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total COX18 protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human cytochrome c oxidase assembly homolog 18 (yeast)
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	COX18HS
Accession No.	Swiss-Prot#:Q8N8Q8NCBI Gene ID:285521NCBI Protein#:NP_776188
Uniprot	Q8N8Q8
GeneID	285521;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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COX18 encodes a cytochrome c oxidase (COX)-assembly protein. The *S. cerevisiae* Cox18 protein catalyzes the insertion of the Cox2 (MTCO2; MIM 516040) C-terminal tail into the mitochondrial inner membrane, an intermediate step in the assembly of complex IV of the mitochondrial respiratory chain. Required for the insertion of integral membrane proteins into the mitochondrial inner membrane. Essential for the activity and assembly of cytochrome c oxidase. Plays a central role in the translocation and export of the C-terminal part of the COX2 protein into the mitochondrial intermembrane space.

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Note: This product is for in vitro research use only