

CA031 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10781b**Specification**

CA031 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q5JTJ3](#)**CA031 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 388753**Other Names**

Cytochrome c oxidase assembly factor 6 homolog, COA6, C1orf31

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CA031 Antibody (C-term) Blocking peptide - Protein Information**Name** COA6**Synonyms** C1orf31**Function**

Involved in the maturation of the mitochondrial respiratory chain complex IV subunit MT-CO2/COX2. Thereby, may regulate early steps of complex IV assembly. Mitochondrial respiratory chain complex IV or cytochrome c oxidase is the component of the respiratory chain that catalyzes the transfer of electrons from intermembrane space cytochrome c to molecular oxygen in the matrix and as a consequence contributes to the proton gradient involved in mitochondrial ATP synthesis. May also be required for efficient formation of respiratory supercomplexes comprised of complexes III and IV.

Cellular Location

Mitochondrion intermembrane space

CA031 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CA031 Antibody (C-term) Blocking peptide - Images**CA031 Antibody (C-term) Blocking peptide - References**

Gregory, S.G., et al. Nature 441(7091):315-321(2006)