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68MP Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17895b

Specification

68MP Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P56378

68MP Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 9556

Other Names
68 kDa mitochondrial proteolipid, MP68, C14orf2

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.

68MP Antibody (C-term) Blocking Peptide - Protein Information

Name ATP5MJ (HGNC:1188)

Synonyms ATP5MPL, C14orf2, MP68

Function
Subunit j, of the mitochondrial membrane ATP synthase complex (F(1)F(0) ATP synthase or Complex V) that produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain (PubMed:37244256). ATP synthase complex consist of a soluble F(1) head domain - the catalytic core - and a membrane F(1) domain - the membrane proton channel (PubMed:37244256). These two domains are linked by a central stalk rotating inside the F(1) region and a stationary peripheral stalk (PubMed:37244256). During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation (Probable). In vivo, can only synthesize ATP although its ATP hydrolase activity can be activated artificially in vitro (By similarity). Part of the complex F(0) domain (PubMed:37244256). Minor subunit required to maintain the ATP synthase population in the mitochondria (PubMed:24330338).

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Cellular Location
Mitochondrion membrane; Single-pass membrane protein

68MP Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

68MP Antibody (C-term) Blocking Peptide - Images

68MP Antibody (C-term) Blocking Peptide - Background

The function of this protein remains unknown.

68MP Antibody (C-term) Blocking Peptide - References

Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)Mao, M., et al. Proc. Natl. Acad. Sci. U.S.A. 95(14):8175-8180(1998)