

C20orf72 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9240c**Specification**

C20orf72 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9BQP7](#)**C20orf72 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 92667**Other Names**

Mitochondrial genome maintenance exonuclease 1 {ECO:0000255|HAMAP-Rule:MF_03030}, 31--
{ECO:0000255|HAMAP-Rule:MF_03030}, MGME1 {ECO:0000255|HAMAP-Rule:MF_03030},
C20orf72, DDK1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9240c](/products/AP9240c) was selected from the Center region of human C20orf72. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

C20orf72 Antibody (Center) Blocking Peptide - Protein Information**Name** MGME1 {ECO:0000255|HAMAP-Rule:MF_03030}**Synonyms** C20orf72, DDK1**Function**

Metal-dependent single-stranded DNA (ssDNA) exonuclease involved in mitochondrial genome maintenance. Has preference for 5'-3' exonuclease activity but is also capable of endonuclease activity on linear substrates. Necessary for maintenance of proper 7S DNA levels. Probably involved in mitochondrial DNA (mtDNA) repair, possibly via the processing of displaced DNA containing Okazaki fragments during RNA- primed DNA synthesis on the lagging strand or via processing of DNA flaps during long-patch base excision repair. Specifically binds 5-hydroxymethylcytosine (5hmC)-containing DNA in stem cells.

Cellular Location

Mitochondrion {ECO:0000255|HAMAP-Rule:MF_03030, ECO:0000269|PubMed:23313956, ECO:0000269|PubMed:23358826}

C20orf72 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

C20orf72 Antibody (Center) Blocking Peptide - Images**C20orf72 Antibody (Center) Blocking Peptide - References**

Deloukas,P., et.al, Nature 414 (6866), 865-871 (2001)