

FATE1 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20657c**Specification**

FATE1 Blocking Peptide (Center) - Product InformationPrimary Accession [Q969F0](#)**FATE1 Blocking Peptide (Center) - Additional Information****Gene ID** 89885**Other Names**

Fetal and adult testis-expressed transcript protein, Cancer/testis antigen 43, CT43, Tumor antigen BJ-HCC-2, FATE1, FATE

Target/Specificity

The synthetic peptide sequence is selected from aa 107-120 of HUMAN FATE1

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.

FATE1 Blocking Peptide (Center) - Protein Information**Name** FATE1**Synonyms** FATE**Function**

Involved in the regulation of endoplasmic reticulum (ER)- mitochondria coupling. Negatively regulates the ER-mitochondria distance and Ca(2+) transfer from ER to mitochondria possibly implicating it in the regulation of apoptosis (PubMed:27402544). May collaborate with RNF183 to restrain BIK protein levels thus regulating apoptotic signaling (PubMed:26567849).

Cellular Location

Mitochondrion. Mitochondrion outer membrane. Endoplasmic reticulum membrane; Single-pass membrane protein; Cytoplasmic side Note=Localized to specific membrane structures termed mitochondria- associated membranes (MAMs) which connect the endoplasmic reticulum (ER) and the mitochondria. Also associated with the outer surface of mitochondria at sites that are not in

close contact with the ER

Tissue Location

Testis-specific in fetus (aged from 6 to 11 weeks). In adult, expressed predominantly in testis, with some expression in lung, heart, kidney, adrenal gland and whole brain (PubMed:11694338) Highly expressed in certain types of cancer tissues such as hepatocellular carcinoma, colon and gastric cancer. Weakly expressed in normal pancreas (PubMed:12865919).

FATE1 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

FATE1 Blocking Peptide (Center) - Images**FATE1 Blocking Peptide (Center) - References**

Olesen C.,et al.Mol. Cell. Endocrinol. 184:25-32(2001).
Dong X.-Y.,et al.Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Olesen C.,et al.Hum. Genet. 113:195-201(2003).