

EFHA1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8873c**Specification**

EFHA1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q8IYU8](#)**EFHA1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 221154**Other Names**

Calcium uptake protein 2, mitochondrial, EF-hand domain-containing family member A1, MICU2, EFHA1

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.

EFHA1 Antibody (Center) Blocking Peptide - Protein Information**Name** MICU2**Synonyms** EFHA1**Function**

Key regulator of mitochondrial calcium uniporter (MCU) required to limit calcium uptake by MCU when cytoplasmic calcium is low (PubMed: [24503055](http://www.uniprot.org/citations/24503055), PubMed: [24560927](http://www.uniprot.org/citations/24560927), PubMed: [26903221](http://www.uniprot.org/citations/26903221)). MICU1 and MICU2 form a disulfide-linked heterodimer that stimulate and inhibit MCU activity, depending on the concentration of calcium (PubMed: [24560927](http://www.uniprot.org/citations/24560927)). MICU2 acts as a gatekeeper of MCU that senses calcium level via its EF-hand domains: prevents channel opening at resting calcium, avoiding energy dissipation and cell-death triggering (PubMed: [24560927](http://www.uniprot.org/citations/24560927)).

Cellular Location

Mitochondrion intermembrane space

EFHA1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

EFHA1 Antibody (Center) Blocking Peptide - Images**EFHA1 Antibody (Center) Blocking Peptide - References**

Dunham,A.,et.al., Nature 428 (6982), 522-528 (2004)