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EFHA1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8873c

Specification

EFHA1 Antibody (Center) Blocking Peptide - Product Information

Primary 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, PubMed:24560927, PubMed:26903221). MICU1 and MICU2 form a disulfide-linked heterodimer that stimulate and inhibit MCU activity, depending on the concentration of calcium (PubMed: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).

Cellular Location
Mitochondrion intermembrane space

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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)