

EFHC1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP4933c**Specification**

EFHC1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q5JVL4](#)**EFHC1 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 114327

Other Names

EF-hand domain-containing protein 1, Myoclonin-1, EFHC1

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.

EFHC1 Antibody (Center) Blocking Peptide - Protein InformationName EFHC1 ([HGNC:16406](#))**Function**

Microtubule-associated protein which regulates cell division and neuronal migration during cortical development. Necessary for mitotic spindle organization (PubMed:19734894, PubMed:28370826). Necessary for radial and tangential cell migration during brain development, possibly acting as a regulator of cell morphology and process formation during migration (PubMed:22926142). May enhance calcium influx through CACNA1E and stimulate programmed cell death (PubMed:15258581, PubMed:19734894, PubMed:22926142, PubMed:28370826). Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia axoneme, which is required for motile cilia beating (PubMed:36191189).

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton,

spindle. Cytoplasm, cytoskeleton, spindle pole. Cytoplasm, cytoskeleton, cilium axoneme

Tissue Location

Widely expressed. Not detected in lymphocytes.

EFHC1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

EFHC1 Antibody (Center) Blocking Peptide - Images**EFHC1 Antibody (Center) Blocking Peptide - Background**

EFHC1 encodes an EF-hand-containing calcium binding protein. The encoded protein likely plays a role in calcium homeostasis. Mutations in this gene have been associated with susceptibility to juvenile myoclonic epilepsy and juvenile absence epilepsy. Alternatively spliced transcript variants have been described.

EFHC1 Antibody (Center) Blocking Peptide - References

Bai, D., et al. Epilepsia 50(5):1184-1190(2009)Suzuki, T., et al. Hum. Mol. Genet. 18(6):1099-1109(2009)Murai, M.J., et al. Arch. Biochem. Biophys. 477(1):131-138(2008)