

ENKUR Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13942c**Specification**

ENKUR Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q8TC29](#)**ENKUR Antibody (Center) Blocking peptide - Additional Information****Gene ID** 219670**Other Names**

Enkurin, ENKUR, C10orf63

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13942c was selected from the Center region of ENKUR. 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.

ENKUR Antibody (Center) Blocking peptide - Protein Information**Name** ENKUR ([HGNC:28388](#))**Synonyms** C10orf63**Function**

Adapter that functions to localize a calcium-sensitive signal transduction machinery in sperm to a calcium-permeable ion channel (By similarity). 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, cilium axoneme. Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:Q6SP97}. Note=Sperm acrosomal crescent and flagellar principal piece. {ECO:0000250|UniProtKB:Q6SP97}

Tissue Location

Expressed in airway epithelial cells.

ENKUR Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ENKUR Antibody (Center) Blocking peptide - Images

ENKUR Antibody (Center) Blocking peptide - Background

Enkurin interacts with transient receptor potential canonical (TRPC) cation channels (see TRPC1; MIM 602343) and functions as an adaptor protein, tethering signal transduction proteins to TRPC channels (Sutton et al., 2004 [PubMed15385169]).

ENKUR Antibody (Center) Blocking peptide - References

Beech, D.J. Handb Exp Pharmacol 179, 109-123 (2007) :Sutton, K.A., et al. Dev. Biol. 274(2):426-435(2004)Deloukas, P., et al. Nature 429(6990):375-381(2004)