

ELKS Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9050c**Specification**

ELKS Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q8IUD2](#)**ELKS Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 23085**Other Names**

ELKS/Rab6-interacting/CAST family member 1, ERC-1, Rab6-interacting protein 2, ERC1, ELKS, KIAA1081, RAB6IP2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9050c](/products/AP9050c) was selected from the Center region of human ELKS. 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.

ELKS Antibody (Center) Blocking Peptide - Protein Information**Name** ERC1**Synonyms** ELKS, KIAA1081, RAB6IP2**Function**

Regulatory subunit of the IKK complex. Probably recruits IκBα/NFκBIA to the complex. May be involved in the organization of the cytomatrix at the nerve terminals active zone (CAZ) which regulates neurotransmitter release. May be involved in vesicle trafficking at the CAZ. May be involved in Rab-6 regulated endosomes to Golgi transport.

Cellular Location

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm {ECO:0000250|UniProtKB:Q811U3}. Membrane; Peripheral membrane protein. Golgi apparatus membrane; Peripheral membrane protein. Presynaptic cell membrane

{ECO:0000250|UniProtKB:Q811U3}. Note=Recruited on Golgi membranes by RAB6A in a GTP-dependent manner (By similarity).

Tissue Location

Widely expressed. Isoform 2 and isoform 4 are abundantly expressed in brain. Isoform 1 and isoform 3 are predominantly expressed in testis and thyroid, and isoform 1 predominates in other tissues tested.

ELKS Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

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

ELKS is a protein that was regulatory subunit of the IKK complex. Probably recruits IkappaBalpha/NFKBIA to the complex. May be involved in the organization of the cytomatrix at the nerve terminals active zone (CAZ) which regulates neurotransmitter release. May be involved in vesicle trafficking at the CAZ. May be involved in Rab-6 regulated endosomes to Golgi transport.