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ELKS Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9050c

Specification

ELKS Antibody (Center) Blocking Peptide - Product Information

Primary 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 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 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.

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}. Cell projection, podosome {ECO:0000250|UniProtKB:Q99MI1}. Note=Recruited on Golgi membranes by RAB6A in a GTP-dependent manner (By similarity). Localized to the cortex of myotube podosomes (By similarity). {ECO:0000250, ECO:0000250|UniProtKB:Q99MI1}

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.