

Goat Anti-ELKS / RAB6IP2 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1362a**Specification**

Goat Anti-ELKS / RAB6IP2 Antibody - Product Information

Application	WB
Primary Accession	Q8IUD2
Other Accession	NP_829884 , 23085 , 111173 (mouse)
Reactivity	Human
Predicted	Mouse, Rat, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	128086

Goat Anti-ELKS / RAB6IP2 Antibody - Additional Information**Gene ID** 23085**Other Names**

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

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-ELKS / RAB6IP2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-ELKS / RAB6IP2 Antibody - 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}. 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.

Goat Anti-ELKS / RAB6IP2 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-ELKS / RAB6IP2 Antibody - Images



AF1362a (0.1 µg/ml) staining of Human Pancreas lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-ELKS / RAB6IP2 Antibody - Background

The protein encoded by this gene is a member of a family of RIM-binding proteins. RIMs are active zone proteins that regulate neurotransmitter release. This gene has been found fused to the receptor-type tyrosine kinase gene RET by gene rearrangement due to the translocation t(10;12)(q11;p13). Multiple transcript variants encoding different isoforms have been found for this gene.

Goat Anti-ELKS / RAB6IP2 Antibody - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

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A PDGFRB-positive acute myeloid malignancy with a new t(5;12)(q33;p13.3) involving the ERC1 gene. Gorello P, et al. Leukemia, 2008 Jan. PMID 17690697.

Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.

A probability-based approach for high-throughput protein phosphorylation analysis and site localization. Beausoleil SA, et al. Nat Biotechnol, 2006 Oct. PMID 16964243.