

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

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**Goat Anti-ELKS / RAB6IP2 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q8IUD2</a>
Other Accession	<a href="#">NP_829884</a> , <a href="#">23085</a> , <a href="#">111173 (mouse)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog
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

**Dilution**

WB~~1:1000

E~~N/A

**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}. 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.

**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**

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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.