



RB6I2 Monoclonal Antibody

Catalog No	YP-mAb-06522
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ERC1 ELKS KIAA1081 RAB6IP2
Protein Name	ELKS/Rab6-interacting/CAST family member 1 (ERC-1) (Rab6-interacting protein 2)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	RB6I2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	122kD
Cell Pathway	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm . Membrane ; Peripheral membrane protein . Golgi apparatus membrane ; Peripheral membrane protein . Cell junction, synapse, presynaptic cell membrane . Recruited on Golgi membranes by RAB6A in a GTP-dependent manner (By similarity). .
Tissue Specificity	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.
Function	disease:A chromosomal aberration involving ERC1/RAB6IP2 may be a cause of thyroid papillary carcinoma (PACT) [MIM:188550]. Translocation t(10;12)(q11;p13) involving RET. In vitro, isoform 1, isoform 3 and isoform 5 participating in a ERC1-RET fusion protein activate tyrosine-protein kinase activity.,function:Regulatory subunit of the IKK complex. Probably recruits IkapMABalpha/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.,sequence caution:Contaminating sequence. Potential poly-A sequence.,subcellular location:In neurons, localized closed to presynaptic membrane. Recruited on



Golgi membranes by RAB6A in a GTP-dependent manner.,subunit:Part of a complex with CHUK,

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) in thyroid papillary carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images