



RB6I2 Monoclonal Antibody

Catalog No	BYmab-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 1:500-2000
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

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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