

RB6I2 Rabbit pAb

CatalogNo: YN1654

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 122kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human protein . at AA range: 100-150

Specificity

RB6I2 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name

ERC1 ELKS KIAA1081 RAB6IP2

Protein Name	ELKS/Rab6-interacting/CAST family member 1 (ERC-1) (Rab6-interacting protein 2)		
	Organism	Gene ID	UniProt ID
	Human	23085;	Q8IUD2;
	Mouse		Q99MI1;
	Rat		Q811U3;
Cellular Localization	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 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.,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, IKBKB and IKBKG. Interacts with CHUK, IKBKB and IKBKG. The interaction with IKBKG is independent of CHUK and IKBKB. Interacts with NFKBIA. Isoform 4 interacts with PPFIA1, and through its C-terminus with the PDZ domains of RIMS1 and RIMS2. Interacts with ERC2/CAST1. Interacts with the GTB-bound forms of RAB6A isoform 1 and isoform 2 and with RAB6B. The interaction was strongest with RAB6B, followed by RAB6A isoform 2 and weakest with RAB6A isoform 1.,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.,		

Validation Data

Contact information

Orders: order.cn@immunoway.com
 Support: support.cn@immunoway.com
 Telephone: 400-8787-807(China)
 Website: <http://www.immunoway.com.cn>
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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