



RIN2 Polyclonal Antibody

Catalog No	YP-Ab-06022
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	RIN2 RASSF4
Immunogen	Synthesized peptide derived from human protein . at AA range: 70-150
Specificity	RIN2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Ras and Rab interactor 2;Ras inhibitor JC265;RASSF4;RIN2;RIN2 RASSF4;Ras and Rab interactor 2 (Ras association domain family 4) (Ras inhibitor JC265) (Ras interaction/interference protein 2)
Observed Band	100-120 kDa
Calculated Molecular Weight	100 kDa
Cell Pathway	Cytoplasm .
Tissue Specificity	Widely expressed. Expressed in heart, kidney, lung placenta. Expressed at low level in skeletal muscle, spleen and peripheral blood.
Function	function:Ras effector protein. May function as an upstream activator and/or downstream effector for RAB5B in endocytic pathway. May function as a guanine nucleotide exchange (GEF) of RAB5B, required for activating the RAB5 proteins by exchanging bound GDP for free GTP.,similarity:Belongs to the RIN (Ras interaction/interference) family.,similarity:Contains 1 Ras-associating domain.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 VPS9 domain., subunit:Homotetramer; probably composed of anti-parallel linkage of two parallel dimers. Interacts with Ras. Interacts with RAB5B, with a much higher affinity for GTP-bound activated RAB5B. Does not interact with other members of the Rab family.,tissue specificity:Widely expressed. Expressed in heart, kidney, lung



placenta. Expressed at low level in skeletal muscle, spleen and peripheral blood.,

Background

The RAB5 protein is a small GTPase involved in membrane trafficking in the early endocytic pathway. The protein encoded by this gene binds the GTP-bound form of the RAB5 protein preferentially over the GDP-bound form, and functions as a guanine nucleotide exchange factor for RAB5. The encoded protein is found primarily as a tetramer in the cytoplasm and does not bind other members of the RAB family. Mutations in this gene cause macrocephaly alopecia cutis laxa and scoliosis (MACS) syndrome, an elastic tissue disorder, as well as the related connective tissue disorder, RIN2 syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2011],

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