

Immunotag™ RIN2 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1151
Product Description	Immunotag™ RIN2 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	RIN2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein . at AA range: 70-150
Specificity	RIN2 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	RIN2 RASSF4
Accession No.	Q8WYP3 Q9D684

Antibody Specification

Description	Ras and Rab interactor 2(RIN2) Homo sapiens 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],
Protein Expression	Glial cell,Leukocyte,Liver,Uterus,
Subcellular Localization	cytoplasm,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.