

Immunotag™ RAC3 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1163
Product Description	Immunotag™ RAC3 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	RAC3
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: 80-160
Specificity	RAC3 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	RAC3
Accession No.	P60763 P60764
Description	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)(RAC3) Homo sapiens The protein encoded by this gene is a GTPase which belongs to the RAS superfamily of small GTP-binding proteins. Members of this superfamily appear to regulate a diverse array of cellular events, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015],

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Cell Pathway/ Category	MAPK_ERK_Growth,MAPK_G_Protein,WNT,WNT-T CELLAxon guidance,VEGF,Focal adhesion,Adherens_Junction,Natural killer cell mediated cytotoxicity,B_Cell_Antigen,Fc epsilon RI,Regulates Actin and Cytoskeleton,Pathways in cancer,Colorectal cancer,Pancreatic cancer,Viral myocarditis,
Protein Expression	Brain,
Subcellular Localization	intracellular,cytosol,plasma membrane,endomembrane system,lamellipodium,growth cone,filamentous actin,neuron projection,neuronal cell body,perinuclear region of cytoplasm,extr
Protein Function	function:Plasma membrane-associated small GTPase which cycles between an active GTP-bound and inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses, such as cell spreading and the formation of actin-based protusions including lamellipodia and membrane ruffles.,induction:Expression down-regulated in quiescent fibroblasts and clearly induced by serum stimulation.,similarity:Belongs to the small GTPase superfamily. Rho family.,subcellular location:Membrane-associated when activated. Co-localizes with NRBP to endomembranes and at the cell periphery in lamellipodia.,subunit:Interacts with the GEF protein DOCK7, which promotes the exchange between GDP and GTP, and therefore activates it. Interacts with C1D.,tissue specificity:Highest levels in brain, also detected in heart, placenta and pancreas.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.