

Immunotag™ REPS2 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1144
Product Description	Immunotag™ REPS2 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	REPS2
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: 390-470
Specificity	REPS2 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	REPS2 POB1
Accession No.	Q8NFH8 Q80XA6
Description	RALBP1 associated Eps domain containing 2(REPS2) Homo sapiens The product of this gene is part of a protein complex that regulates the endocytosis of growth factor receptors. The encoded protein directly interacts with a GTPase activating protein that functions downstream of the small G protein Ral. Its expression can negatively affect receptor internalization and inhibit growth factor signaling. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

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Protein Expression	Brain,Hypothalamus,
Subcellular Localization	cytoplasm,
Protein Function	<p>function:Involved in growth factor signaling through its influence on the Ral signaling pathway.,PTM:EGF stimulates phosphorylation on Tyr-residues and induces complex formation with EGF receptor through an adapter protein such as GRB2.,similarity:Contains 1 EF-hand domain.,similarity:Contains 2 EH domains.,subunit:Interacts with ASAP1 and this complex can bind paxillin. May form a ternary complex with RALBP1 and ASAP1 (By similarity). Interacts with RALBP1 and GRB2. Binding to RALBP1 does not affect the Ral-binding activity of the latter. It can form a ternary complex with activated Ral and RALBP1. Binds EPN1.,tissue specificity:Expressed at high levels in the cerebrum, cerebellum, lung, kidney, and testis. Weakly expressed in the kidney. Relatively highly expressed in androgen-dependent as compared to androgen-independent prostate cancer cell lines and xenografts. Isoform 2 is down-regulated during progression of prostate cancer.,</p>
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.