



# REPS2 Polyclonal Antibody

<b>Catalog No</b>	BYab-06015
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	REPS2 POB1
<b>Protein Name</b>	RalBP1-associated Eps domain-containing protein 2 (Partner of RalBP1) (RalBP1-interacting protein 2)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 390-470
<b>Specificity</b>	REPS2 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	72kD
<b>Cell Pathway</b>	Cytoplasm .
<b>Tissue Specificity</b>	Expressed at high levels in the cerebrum, cerebellum, lung, kidney, and testis. Weakly expressed in the kidney. Isoform 2 is down-regulated during progression of prostate cancer.
<b>Function</b>	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

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expressed in androgen-dependent as compared to androgen-independent prostate cancer cell lines and xenografts. Isoform 2 is down-reg

**Background**

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 Ras. 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],

**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**