REPS2 Monoclonal Antibody

Catalog No	BYmab-06015
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	REPS2 POB1
Protein Name	RalBP1-associated Eps domain-containing protein 2 (Partner of RalBP1) (RalBP1-interacting protein 2)
Immunogen	Synthesized peptide derived from human protein . at AA range: 390-470
Specificity	REPS2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	72kD
Cell Pathway	Cytoplasm .
Tissue Specificity	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.
Function	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-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 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],
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.

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