



REPS1 Monoclonal Antibody

Catalog No	YP-mAb-04116
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	REPS1
Immunogen	The antiserum was produced against synthesized peptide derived from human REPS1. AA range:597-646
Specificity	REPS1 Monoclonal Antibody detects endogenous levels of REPS1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA 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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RALBP1;RalBP1 associated Eps domain containing protein 1;REPS1;RalBP1-associated Eps domain-containing protein 1;RalBP1-interacting protein 1
Observed Band	80kD
Calculated Molecular Weight	80kD
Cell Pathway	Membrane, clathrin-coated pit . Colocalize with ITSN1 at the plasma membrane in structures that are most probably clathrin-coated pits.
Tissue Specificity	Widely expressed with highest levels in heart and testis.
Function	function:May coordinate the cellular actions of activated EGF receptors and Ral-GTPases.,PTM:EGF stimulates phosphorylation on Tyr-residues.,similarity:Contains 1 EF-hand domain.,similarity:Contains 1 EH domain.,subunit:Homodimer (Potential). Interacts with RAB11FIP2. Interacts with RALBP1, CRK and GRB2. Binding to RALBP1 does not affect its Ral-binding activity. Forms a complex with the SH3 domains of CRK and GRB2 which may link it to an EGF-responsive tyrosine kinase.,

**Background**

This gene encodes a signaling adaptor protein with two EH domains that interacts with proteins that participate in signaling, endocytosis and cytoskeletal changes. The encoded protein has been found in association with intersectin 1 and Src homology 3-domain growth factor receptor-bound 2-like (endophilin) interacting protein 1 when intersectin 1 was isolated from clathrin-coated pits. The encoded protein has also been shown to interact with amphiphysin, a cytoplasmic protein at the surface of synaptic vesicles. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2014],

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

Rat
Heart

Western Blot analysis of various cells using REPS1
Monoclonal Antibody

REPS1

