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REPS2 Antibody (monoclonal) (M01A)

Mouse monoclonal antibody raised against a partial recombinant REPS2.
Catalog # AT3618a

Product Information

Application	WB
Primary Accession	Q8NFH8
Other Accession	NM_004726
Reactivity	Human, Mouse
Host	Mouse
Clonality	monoclonal
Isotype	IgM Kappa
Clone Names	4C2
Calculated MW	71534

Additional Information

Gene ID	9185
Other Names	RalBP1-associated Eps domain-containing protein 2, Partner of RalBP1, RalBP1-interacting protein 2, REPS2, POB1
Target/Specificity	REPS2 (NP_004717, 66 a.a. ~ 165 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	REPS2 Antibody (monoclonal) (M01A) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

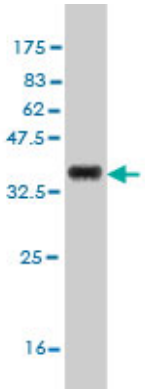
The product of this gene is part of a protein complex that regulates the endocytosis of growth factor receptors. The encoded protein directly interacts with a GTPase activating protein that functions downstream of the small G protein Ral. Its expression can negatively affect receptor internalization and inhibit growth factor signaling. Multiple transcript variants encoding different isoforms have been found for this gene.

References

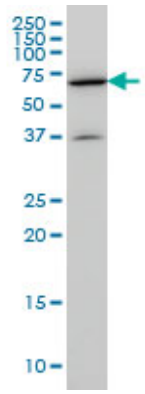
TMEM25, REPS2 and Meis 1: favourable prognostic and predictive biomarkers for breast cancer. Doolan P, et

al. Tumour Biol, 2009. PMID 19776672.Hsf-1 and POB1 induce drug sensitivity and apoptosis by inhibiting Ralbp1. Singhal SS, et al. J Biol Chem, 2008 Jul 11. PMID 18474607.Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.POB1 over-expression inhibits RLIP76-mediated transport of glutathione-conjugates, drugs and promotes apoptosis. Yadav S, et al. Biochem Biophys Res Commun, 2005 Mar 25. PMID 15707977.EGF signalling in prostate cancer cell lines is inhibited by a high expression level of the endocytosis protein REPS2. Oosterhoff JK, et al. Int J Cancer, 2005 Feb 10. PMID 15455380.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



REPS2 monoclonal antibody (M01A), clone 4C2 Western Blot analysis of REPS2 expression in NIH/3T3 ((Cat # AT3618a)