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REPS2 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP13131a

Specification

REPS2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q8NFH8

REPS2 Antibody (N-term) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP13131a was selected from the N-term region of REPS2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

REPS2 Antibody (N-term) Blocking Peptide - Protein Information

Name REPS2

Synonyms POB1

Function
Involved in ligand-dependent receptor mediated endocytosis of the EGF and insulin receptors as part of the Ral signaling pathway (PubMed:9422736, PubMed:12771942, PubMed:10393179). By controlling growth factor receptors endocytosis may regulate cell survival (PubMed:12771942). Through ASAP1 may regulate cell adhesion and migration (PubMed:12149250).

Cellular Location

Cytoplasm.

Tissue Location
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

REPS2 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

REPS2 Antibody (N-term) Blocking Peptide - Images

REPS2 Antibody (N-term) Blocking Peptide - Background

The product of this gene is part of a protein complex thatregulates the endocytosis of growth factor receptors. The encodedprotein directly interacts with a GTPase activating protein thatfunctions downstream of the small G protein Ral. Its expression cannegatively affect receptor internalization and inhibit growthfactor signaling. Multiple transcript variants encoding differentisoforms have been found for this gene.

REPS2 Antibody (N-term) Blocking Peptide - References

Doolan, P., et al. Tumour Biol. 30(4):200-209(2009)Singhal, S.S., et al. J. Biol. Chem. 283(28):19714-19729(2008)Yadav, S., et al. Biochem. Biophys. Res. Commun. 328(4):1003-1009(2005)Oosterhoff, J.K., et al. Int. J. Cancer 113(4):561-567(2005)Penninkhof, F., et al. Oncogene 23(33):5607-5615(2004)