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REPS2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13131a

Specification

REPS2 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	O8NFH8
Other Accession	NP_004717.2, NP_001074444.1
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**71534**
Antigen Region	**153-182**

REPS2 Antibody (N-term) - Additional Information

Gene ID 9185

Other Names
RalBP1-associated Eps domain-containing protein 2, Partner of RalBP1, RalBP1-interacting protein 2, REPS2, POB1

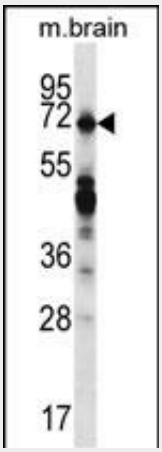
Target/Specificity
This REPS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 153-182 amino acids from the N-terminal region of human REPS2.

Dilution
WB~~1:1000
IHC-P~~1:10~50

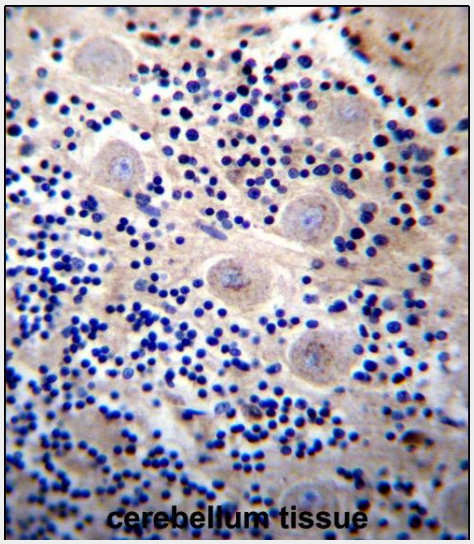
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions



REPS2 Antibody (N-term) (Cat. #AP13131a) western blot analysis in mouse brain tissue lysates (35ug/lane).This demonstrates the REPS2 antibody detected the REPS2 protein (arrow).



REPS2 Antibody (N-term) (Cat. #AP13131a)immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of REPS2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

REPS2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

REPS2 Antibody (N-term) - 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) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

REPS2 Antibody (N-term) - 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.

REPS2 Antibody (N-term) - 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)

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