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RASD1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13102b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9Y272
Other Accession	NP_057168.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31294
Calculated MW	31642
Antigen Region	248-277

Additional Information

Gene ID	51655
Other Names	Dexamethasone-induced Ras-related protein 1, Activator of G-protein signaling 1, RASD1, AGS1, DEXRAS1
Target/Specificity	This RASD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 248-277 amino acids from the C-terminal region of human RASD1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
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	RASD1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RASD1
Synonyms	AGS1, DEXRAS1
Function	Small GTPase. Negatively regulates the transcription regulation activity of

	the APBB1/FE65-APP complex via its interaction with APBB1/FE65 (By similarity).
Cellular Location	Cell membrane; Lipid-anchor; Cytoplasmic side. Cytoplasm, perinuclear region. Nucleus
Tissue Location	Expressed in a variety of tissues including heart, cardiovascular tissues, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, gastrointestinal and reproductive tissues

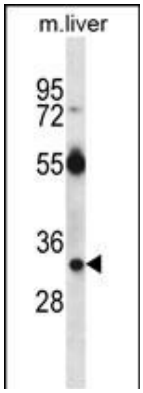
Background

This gene encodes a Ras-related protein that is stimulated by dexamethasone. The exact function of this gene is unknown, but it may play a role in dexamethasone-induced alterations in cell morphology, growth and cell-extracellular matrix interactions. In addition, studies of a similar rat protein suggest that it functions as as a novel physiologic nitric oxide (NO) effector. The gene product belongs to the Ras superfamily of small GTPases.

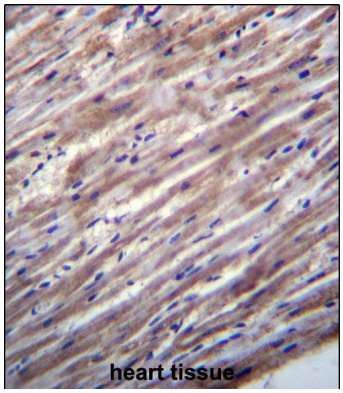
References

Nojima, M., et al. Clin. Cancer Res. 15(13):4356-4364(2009)
Lau, K.F., et al. J. Biol. Chem. 283(50):34728-34737(2008)
Attarzadeh-Yazdi, G., et al. Neurochem. Res. 33(4):609-613(2008)
Cheng, H.Y., et al. J. Neurosci. 26(50):12984-12995(2006)
Nguyen, C.H., et al. Mol. Pharmacol. 69(5):1763-1771(2006)

Images



RASD1 Antibody (C-term) (Cat. #AP13102b) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the RASD1 antibody detected the RASD1 protein (arrow).



RASD1 Antibody (C-term) (Cat. #AP13102b)immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of RASD1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.