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Datasheet for ABIN317842 anti-REM1 antibody

2 Images



Overview

Quantity:	0.1 mg
Target:	REM1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This REM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded
	Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of Rad GTPase protein.(region surrounding Leu80)
Cross-Reactivity (Details):	Species reactivity (expected):Mouse and Rat. Species reactivity (tested):Human.
Purification:	Affinity Chromatography using epitope-specific immunogen

Target Details

Target:	REM1
Alternative Name:	REM1 (REM1 Products)
Background:	The Ras-encoded family of proteins bind GDP and GTP with high affinity. They possess a low level of intrinsic GTPase activity that increases more than 100-fold when interacting with
	cytosolic GTPase activating protein (GAP). Ras family members include H-Ras, K-Ras, N-Ras,

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	M-Ras, R-Ras, ERas, Rheb, TC 21, RASL11B and Rad (Ras associated with diabetes)
	GTPase.Rad GTPase is a GTP-binding protein that is similar to Ras but has unique features.
	Unlike other small GTPases, Rad GTPase lacks typical pren-ylation motifs at its C terminus. The
	Rad GTPase enzyme binds calmodulin, inhibits vascular lesion formation, has low intrinsic
	GTPase activity and cannot be stimulated by any known GAP molecules. Rad GTPase is
	expressed in skeletal muscle, cardiac muscle and lung tissues and is overexpressed in the
	skeletal muscle tissue of individuals with type II diabetes.Synonyms: GES, GTP-binding protein
	REM 1, GTPase-regulating endothelial cell sprouting, REM, Rad and Gem-like GTP-binding
	protein 1
Molecular Weight:	approx. 33 kDa
Gene ID:	28954
NCBI Accession:	NP_054731
UniProt:	075628
Application Details	
Application Notes:	ELISA: 1: 20000approx. 1: 40000. WB: 1: 500approx. 1: 1000. IHC: 1: 50approx. 1: 200.
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Concentration:	1.0 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.2., 0.05 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

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Image 1.

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