Datasheet for ABIN1019652

anti-RRAD antibody (AA 36-48)

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Overview

Quantity:	100 µg
Target:	RRAD
Binding Specificity:	AA 36-48
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This RRAD antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	RRAD (aa36-48)
Immunogen:	Peptide with sequence C-HRRSMPVDERDLQ, from the internal region of the protein sequence according to NP_004156.1.
Sequence:	HRRSMPVDER DLQ
Isotype:	IgG
Specificity:	Reported variants represent identical protein: NP_004156.1, NP_001122322.1
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	RRAD
Alternative Name:	RRAD (RRAD Products)
Background:	RRAD, Ras-related associated with diabetes, RAD, RAD1, REM3, GTP-binding protein RAD, OTTHUMP00000174805, RAS (RAD and GEM) like GTP binding 3, ras associated with diabetes
Gene ID:	6236, 56437, 83521
NCBI Accession:	NP_004156

Application Details

Application Notes:	Western Blot: Approx 37 kDa band observed in Mouse Heart lysates and no 37 kDa in the KO lysates (calculated MW of 33.2 kDa according to mouse NP_062636.2 and human NP_004156.1). There is some non-specific background, we call for caution when used for othe Peptide ELISA: antibody detection limit dilution 1:64000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

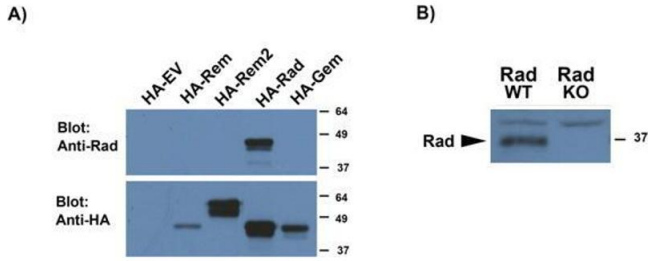
Publications

Product cited in:	Levitan, Manning, Withers, Smith, Shaw, Andres, Sorrell, Satin: "Rad-deletion Phenocopies Tonic Sympathetic Stimulation of the Heart." in: **Journal of cardiovascular translational research**,

Publications

Vol. 9, Issue 5-6, pp. 432-444, (2017) (PubMed).

Images



Western Blotting

Image 1. A): ABIN1019652 (0.5µg/ml) staining of HEK293 lysates overexpressing several HA-tagged Mouse GTPases, including Rrad (10µg protein in RIPA buffer) and compared with an HA-specific antibody. B): ABIN1019652 (0.5µg/ml) staining of WT and KO lysates of Mouse Heart