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# EB11418 - Goat Anti-RRAD (aa36-48) Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

Principal Names: GTP-binding protein RAD, OTTHUMP00000174805, RAD, RAD1, RAS (RAD and GEM) like GTP binding 3, ras associated with diabetes, Ras-related associated with diabetes, REM3, RRAD Official Symbol: RRAD Accession Number(s): NP\_004156.1 Human GenelD(s): 6236 Non-Human GenelD(s): 56437 (mouse), 83521 (rat) Important Comments: Reported variants represent identical protein: NP\_004156.1, NP\_001122322.1

#### Immunogen

Peptide with sequence C-HRRSMPVDERDLQ, from the internal region of the protein sequence according to NP\_004156.1.

Please note the peptide is available for sale.

### **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

# **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:64000.

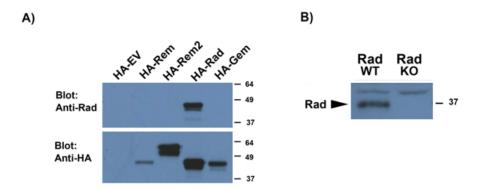
**Western blot:** Approx 37kDa band observed in Mouse Heart lysates and no 37kDa in the KO lysates (calculated MW of 33.2kDa according to mouse NP\_062636.2 and human NP\_004156.1). There is some non-specific background, we call for caution when used for other assays than Western blot. In transfected HEK293 transiently expressing Mouse Rrad (HA tagged), a band of approx. 45kDa is observed. No bands are observed in transfected HEK293 transiently expressing related Mouse GTPases. Recommended concentration: 0.5-2µg/ml.

#### **Species Reactivity**

Tested: Mouse Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

# **Specific Reference**

This antibody has been successfully used in Western blot on Mouse: Catherine N. Withers, Drew M. Brown, Innocent Byiringiro , Matthew R. Allen , Keith W. Condon, Jonathan Satin, Douglas A. Andres Rad GTPase is essential for the regulation of bone density and bone marrow adipose tissue in mice Bone. 2017 Oct; 103: 270-280. PMID: 28732776



A): EB11418 (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): EB11418 (0.5µg/ml) staining of WT and KO lysates of Mouse Heart (100µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence. Data provided by Prof. D Andres, University of Kentucky College of Medicine, USA.