

## Goat anti-RRAD (aa36-48) Antibody

Item Number	dAP-2623
Target Molecule	Principle Name: RRAD (aa36-48); Official Symbol: RRAD; All Names and Symbols: 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; Accession Number (s): NP_004156.1; Human Gene ID(s): 6236; Non-Human GeneID(s): 56437 (mouse) 83521 (rat)
Immunogen	HRRSMPVDERDLQ, is from internal region Reported variants represent identical protein: NP_004156.1, NP_001122322.1
Applications	Pep ELISA, WB  Species Tested: Mouse
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	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 applications.
IHC	
Reference	Reference(s): Lee I, Yeom SY, Lee SJ, Kang WK, Park C. A novel senescence-evasion mechanism involving Grap2 and Cyclin D interacting protein inactivation by Ras associated with diabetes in cancer cells under doxorubicin treatment. <i>Cancer Res.</i> 2010 Jun 1;70(11):4357-65. PMID: 20460530->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**