

RRAD Conjugated Antibody

Catalog No: #C37229



Package Size: #C37229-AF350 100ul #C37229-AF405 100ul #C37229-AF488 100ul
 #C37229-AF555 100ul #C37229-AF594 100ul #C37229-AF647 100ul
 #C37229-AF680 100ul #C37229-AF750 100ul #C37229-Biotin 100ul

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Description

Product Name	RRAD Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total RRAD protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human Ras-related associated with diabetes
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	RAD; RAD1; REM3
Accession No.	Swiss-Prot#:P55042NCBI Gene ID:6236NCBI Protein#:NP_008981
Uniprot	P55042
GeneID	6236;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The protein may be important in cardiac antiarrhythmia via the strong suppression of voltage-gated L-type Ca²⁺ currents. As regulator of voltage-dependent L-type calcium channel subunit alpha-1C trafficking to the cell membrane. Inhibits cardiac hypertrophy through the calmodulin-dependent kinase II (CaMKII) pathway and phosphorylation and activation of CAMK2D. Mostly expressed in the heart and muscle of type II diabetic humans. Also found in the skeletal muscle, lung and adipose tissue. Lesser amounts in placenta and kidney.

Note: This product is for in vitro research use only