RRAD 抗体

产品货号： mlR0278

英文名称： RRAD

中文名称： RRAD 抗体

别　　名： RAD; Ras-related associated with diabetes; RAD1; REM3; Cell cycle checkpoint protein Hrad1; Cell cycle checkpoint protein Rad 1 A / B; Cell cycle checkpoint protein RAD1; Checkpoint control protein HRAD1; Checkpoint control protein RAD1; DNA repair exonuclease; DNA repair exonuclease rad1; DNA repair exonuclease rad1 homolog; DNA repair exonuclease REC1; DNA repair protein RAD1; EC 3.1.11.2; Exonuclease homolog RAD1; GTP-binding protein RAD; hRAD 1; hRAD1; MGC77779; RAD 1; RAD; RAD1 homolog (S. pombe); RAD1 homolog; Rad1 like DNA damage checkpoint; Rad1 like DNA damage checkpoint protein; RAD1, S. pombe, homolog of; Ras associated with diabetes; REC 1; REC1; RRAD; RAD_HUMAN.

研究领域： 细胞生物　免疫学　糖尿病　内分泌病

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Cow, Horse, Rabbit,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 33kDa

细胞定位： 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human RRAD:211-308/308

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍： Human Rad1 is a component of a heterotrimeric PCNA like complex that also contains the Rad9 and Hus1 proteins. This complex is believed to be involved in cellular responses to DNA damage, possibly by associating with Rad17 and several components of the PCNA-loading heteropentamer, replication factor C. Human Rad1 exhibits significant homology to Rad1 from S. pombe, and its expression in yeast rad1 mutants has been shown to partially restore radiation resistance and G2 checkpoint activity. It has also been shown to possess exonuclease activity.

Function:

May play an important role in cardiac antiarrhythmia via the strong suppression of voltage-gated L-type Ca(2+) currents. Regulates voltage-dependent L-type calcium channel subunit alpha-1C trafficking to the cell membrane (By similarity). Inhibits cardiac hypertrophy through the calmodulin-dependent kinase II (CaMKII) pathway. Inhibits phosphorylation and activation of CAMK2D.

Subunit:

Interacts with calmodulin preferentially in the inactive, GDP-bound form. Binds CAMKII which is capable of phosphorylating RAD in vitro. Interacts with CAMK2D and CACNB2. Interaction with CACNB2 regulates the trafficking of CACNA1C to the cell membrane (By similarity).

Subcellular Location:

Cell membrane.

Tissue Specificity:

Most abundantly expressed in the heart. Also found in the skeletal muscle and lung. Lesser amounts in placenta and kidney. Also detected in adipose tissue. Overexpressed in muscle of type II diabetic humans.

Similarity:

Belongs to the small GTPase superfamily. RGK family.

SWISS:

P55042

Gene ID:

6236

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.