

Anti-RSAD2 Antibody

ER65614



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human
Applications:	WB, IHC-P
Molecular Wt:	42 kDa

Description: The cluster is coordinated with 3 cysteines and an exchangeable S-adenosyl-L-methionine. Involved in antiviral defense. May impair virus budding by disrupting lipid rafts at the plasma membrane, a feature which is essential for the budding process of many viruses. Acts through binding with and inactivating FPPS, an enzyme involved in synthesis of cholesterol, farnesylated and geranylated proteins, ubiquinones dolichol and heme. Plays a major role in the cell antiviral state induced by type I and type II interferon. Displays antiviral effect against HIV-1 virus, hepatitis C virus, human cytomegalovirus, and aphaviruses, but not vesiculovirus. induction: By interferon type I, type II and LPS. Little or no induction by interferon gamma is observed in monocytic cell lines. Induced by infection with human cytomegalovirus (HCMV), hepatitis C virus, yellow fever virus and Sendai virus, presumably through type I interferon pathway. miscellaneous: Up-regulated in atherosclerosis. Latent viruses like HCMV may be involved in atherogenesis by initiating local inflammation. This may induce up-regulation of antiviral gene RSAD2, which modulates lipids synthesis, and thus could play a role in abnormal lipid accumulation leading to atherosclerosis. Belongs to the RSAD2 family. subcellular location: Probably associates with the cytosolic side of the endoplasmic reticulum. Infection with human cytomegalovirus (HCMV) causes relocation to the Golgi apparatus and to cytoplasmic vacuoles which also contain HCMV proteins glycoprotein B and pp28. subunit: Interacts with FPPS.

Immunogen: The antiserum was produced against synthesized peptide derived from the N-terminal region of human RSAD2. AA range: 21-70

Positive control: Foreskin fibroblast, Macrophage, Prostate,

Subcellular location: Mitochondrion

Database links: SwissProt: Q8WVG1 Human

Recommended Dilutions:

WB 1:500-1:2000

IHC-P 1:100-1:300

Storage Buffer: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Purity: Immunogen affinity purified.



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Applications: WB=Western blot IP=Immunoprecipitation IHC=Immunohistochemistry IF=Immunofluorescence FC=Flow cytometry

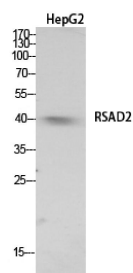


Fig1: Western Blot analysis of HepG2 cells using RSAD2 Polyclonal Antibody.. Secondary antibody (catalog#: HA1001) was diluted at 1:20000

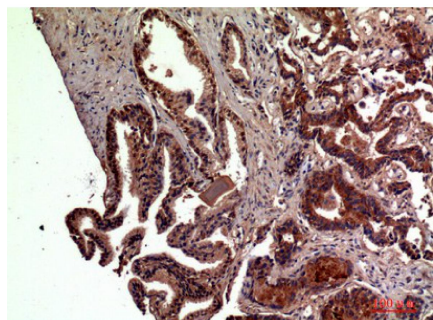


Fig2: Immunohistochemical analysis of paraffin-embedded human-prostate-cancer, antibody was diluted at 1:100

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