



[Go to Product page](#)

Datasheet for ABIN7269832  
**anti-RSAD2 antibody (AA 42-361)**

2 Images

Overview

Quantity:	100 µL
Target:	RSAD2
Binding Specificity:	AA 42-361
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RSAD2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	RSAD2 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 42-361 of human RSAD2 (NP_542388.2).
Sequence:	LATKRRKQQL VLRGPDETKE EEEDPPLPTT PTSVNYHFTR QCNYKCGFCF HTAKTSFVLP LEEAKRGLLL LKEAGMEKIN FSGGEPFLQD RGEYLGKLV R FCKVELRLPS VSIVSNGSLI RERWFQNYGE YLDILAIKCD SFDEEVNLI GRGQKKNHV ENLQKLRRWC RDYRVAFKIN SVINRFNVEE DMTEQIKALN PVRWKVFQCL LIEGENCGED ALREAERFVI GDEEFERFLE RHKEVSCLVP ESNQKMKDSY LILDEYMRFL NCRKGRKDPS KSILDVGVEE AIKFSGFDEK MFLKRGGKYI WSKADLKLDW
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat

## Product Details

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Characteristics: Polyclonal Antibodies

Purification: Affinity purification

## Target Details

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Target: RSAD2

Alternative Name: RSAD2 ([RSAD2 Products](#))

Background: Interferon-inducible antiviral protein which plays a major role in the cell antiviral state induced by type I and type II interferon. Catalyzes the conversion of cytidine triphosphate (CTP to 3'-deoxy-3',4'-didehydro-CTP (ddhCTP via a SAM-dependent radical mechanism. In turn, ddhCTP acts as a chain terminator for the RNA-dependent RNA polymerases from multiple viruses and directly inhibits viral replication. Therefore, inhibits a wide range of DNA and RNA viruses, including human cytomegalovirus (HCMV, hepatitis C virus (HCV, west Nile virus (WNV, dengue virus, sindbis virus, influenza A virus, sendai virus, vesicular stomatitis virus (VSV, zika virus, and human immunodeficiency virus (HIV-1. Promotes also TLR7 and TLR9-dependent production of IFN-beta production in plasmacytoid dendritic cells (pDCs by facilitating 'Lys-63'-linked ubiquitination of IRAK1 by TRAF6. Plays a role in CD4+ T-cells activation and differentiation. Facilitates T-cell receptor (TCR-mediated GATA3 activation and optimal T-helper 2 (Th2 cytokine production by modulating NFKB1 and JUNB activities. Can inhibit secretion of soluble proteins.,RSAD2,2510004L01Rik,cig33,cig5,vig1,Immunology & Inflammation,RSAD2

Molecular Weight: 42kDa

Gene ID: 91543

UniProt: [Q8WYG1](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

## Handling

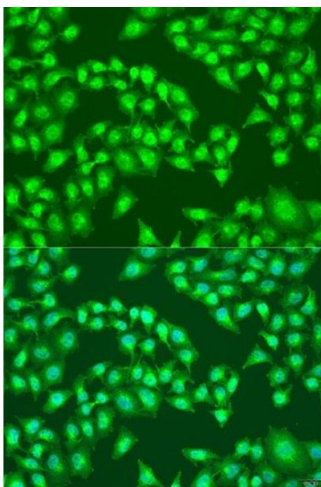
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Format: Liquid

## Handling

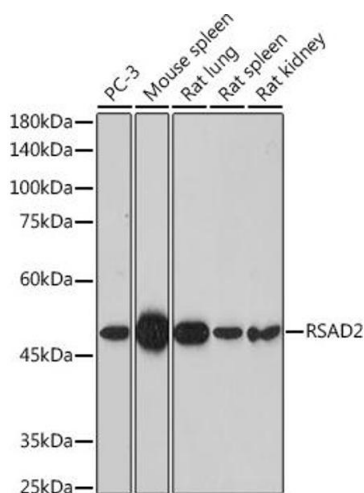
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

## Images



### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U2OS cells using RS antibody (ABIN7269832) at dilution of 1:100. Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using RS antibody (ABIN7269832) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.