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## Datasheet for ABIN7118262 **anti-RSAD2 antibody**

### Overview

Quantity:	100 µg
Target:	RSAD2
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RSAD2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

### Product Details

Immunogen:	radical S-adenosyl methionine domain containing 2
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	RSAD2
Alternative Name:	RSAD2 ( <a href="#">RSAD2 Products</a> )
Background:	Synonyms:2510004L01Rik, cig33, cig5, RSAD2, vig1, Viperin Background:Interferon-inducible iron-sulfur(4FE-4S) cluster-binding antiviral protein which plays a major role in the cell antiviral state induced by type I and type II interferon. Can inhibit a wide range of DNA and RNA viruses, including human cytomegalovirus(HCMV), hepatitis C virus(HCV), west Nile virus(WNV), dengue

## Target Details

virus, sindbis virus, influenza A virus, sendai virus, vesicular stomatitis virus(VSV), and human immunodeficiency virus(HIV-1). Displays antiviral activity against influenza A virus by inhibiting the budding of the virus from the plasma membrane by disturbing the lipid rafts. This is accomplished, at least in part, through binding and inhibition of the enzyme farnesyl diphosphate synthase(FPPS), which is essential for the biosynthesis of isoprenoid-derived lipids. Promotes TLR7 and TLR9-dependent production of IFN-beta production in plasmacytoid dendritic cells(pDCs) by facilitating Lys-63'-linked ubiquitination of IRAK1. 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.

Molecular Weight: 45 kDa

Gene ID: 91543

UniProt: [Q8WVG1](#)

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

## Application Details

Application Notes: WB: 1:500-1:1000, IHC: 1:20-1:200, IF: 1:10-1:100

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 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: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months