

Product datasheet for **TA381167**

Viperin (RSAD2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB,1:500 - 1:2000 IF,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 42-361 of human RSAD2 (NP_542388.2).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	42kDa
Gene Name:	radical S-adenosyl methionine domain containing 2
Database Link:	Entrez Gene 91543 Human Q8WYG1



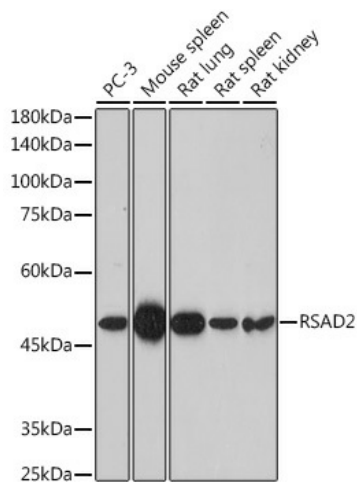
[View online »](#)

Background:

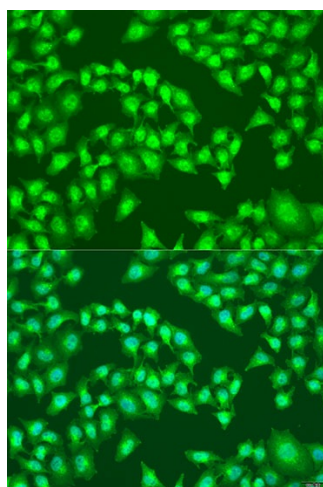
Interferon-inducible antiviral protein which plays a major role in the cell antiviral state induced by type I and type II interferon. Catalyzes the conversion of cytidine triphosphate (CTP to 3'-deoxy-3',4'-didehydro-CTP (ddhCTP via a SAM-dependent radical mechanism. In turn, ddhCTP acts as a chain terminator 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.

Synonyms:

2510004L01Rik; CIG5; cig33; vig1; Viperin

Product images:


Western blot analysis of extracts of various cell lines, using RSAD2 antibody (TA381167) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Enhanced Kit . | Exposure time: 180s.



Immunofluorescence analysis of U2OS cells using RSAD2 antibody (TA381167) at dilution of 1:100. Blue: DAPI for nuclear staining.