For Research Use Only

# RSAD2 Polyclonal antibody

Catalog Number:28089-1-AP Featured Product 19 Publications

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## Basic Information

Catalog Number:
28089-1-AP

Size:
150ul , Concentration: 900 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG27733

GenBank Accession Number:
BC017969

GeneID (NCBI):
91543

UNIPROT ID:
Q8WXG1

Full Name:
radical S-adenosyl methionine domain containing 2

Calculated MW:
361 aa, 42 kDa

Observed MW:
42 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:50-1:500

## Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, IF, IP

Species Specificity:
Human, mouse

Cited Species:
human, mouse, canine

***Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0***

Positive Controls:

WB : fetal human brain tissue, A549 cells, mouse spinal cord tissue

IHC : mouse stomach tissue, human colon tissue

## Background Information

RSAD2 (radical S-adenosyl methionine domain-containing protein 2), also known as CIG5 (cytomegalovirus-induced gene 5 protein), vig1, viperin or CIG33, displays antiviral effect against HIV-1 virus, hepatitis C virus, human cytomegalovirus, and aphaviruses. Expression of the protein can be induced by interferon.

## Notable Publications

| Author | Pubmed ID | Journal | Application |
|---|---|---|---|
| Sushan Yang | 36180831 | Cell Mol Biol Lett | WB |
| Yinglu Li | 36206767 | Mol Cell | WB |
| Yuanfeng Wei | 34765295 | Am J Cancer Res | IHC |

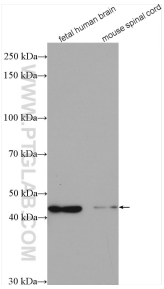
## Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

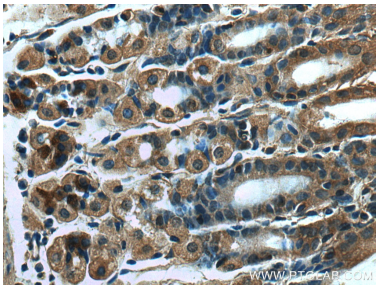
*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

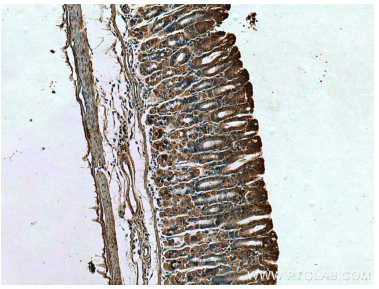
## Selected Validation Data




Various lysates were subjected to SDS PAGE followed by western blot with 28089-1-AP (RSAD2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.




Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 28089-1-AP (RSAD2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).




Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 28089-1-AP (RSAD2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).