

A22997

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# STING/TMEM173 Rabbit mAb

Catalog No.: A22997

Recombinant

## Basic Information

### Observed MW

35kDa

### Calculated MW

43kDa

### Category

Monoclonal Antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Mouse

### CloneNo number

ARC58854

## Recommended Dilutions

**WB** 1:1000 - 1:5000

**IHC-P** 1:500 - 1:1000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## Background

Enables 2',3'-cyclic GMP-AMP binding activity; cyclic-di-GMP binding activity; and ubiquitin protein ligase binding activity. Involved in several processes, including defense response to other organism; macroautophagy; and positive regulation of interferon-beta production. Acts upstream of or within cellular response to interferon-beta; positive regulation of transcription by RNA polymerase II; and regulation of inflammatory response. Located in several cellular components, including autophagosome; perinuclear region of cytoplasm; and peroxisome. Is expressed in ductus deferens; epididymis; ileum; and prostate gland. Human ortholog(s) of this gene implicated in STING-associated vasculopathy with onset in infancy. Orthologous to human STING1 (stimulator of interferon response cGAMP interactor 1).

## Immunogen Information

### Gene ID

72512

### Swiss Prot

Q3TBT3

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

ERIS; MPYS; Mita; STING; Tmem173; STING-beta; 2610307O08Rik

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

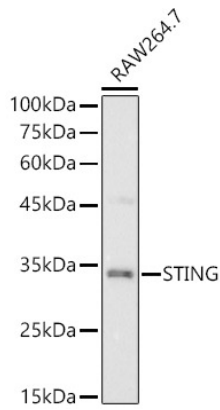
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Western blot analysis of lysates from RAW264.7 cells, using STING Rabbit mAb (A22997) at 1:2000 dilution.

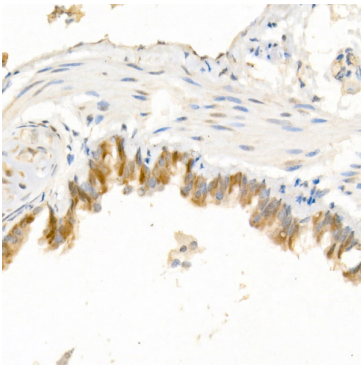
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Mouse bronchus using STING Rabbit mAb (A22997) at dilution of 1:700 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.