

Phospho-STING/TMEM173-S365 Rabbit pAb

Catalog No.: AP1199SP

9 Publications

Basic Information

Observed MW

41 kDa

Calculated MW

43 kDa

Category

Primary antibody

Applications

WB, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse

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).

Recommended Dilutions

WB 1:1000 - 1:5000**IF/ICC** 1:400 - 1:1600

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

Immunogen Information

Gene ID

72512

Swiss Prot

Q3TBT3

Immunogen

This information is considered to be commercially sensitive.

Synonyms

ERIS; MPYS; Mita; STING; Tmem173; STING-beta; 2610307O08Rik; Phospho-STING-S365

Contact

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Product Information

Source

Rabbit

Isotype

IgG

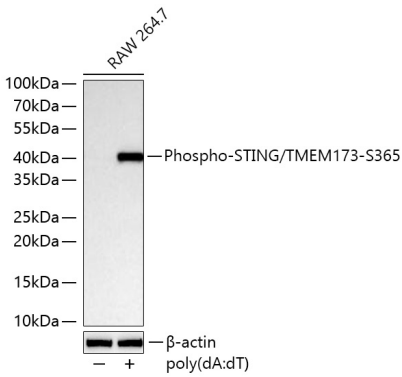
Purification

Affinity purification

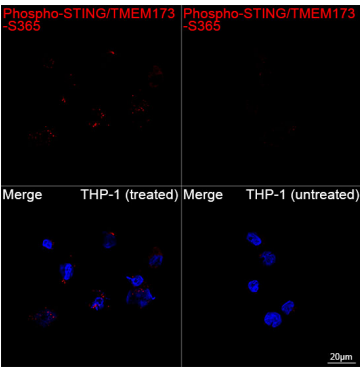
Storage

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

Validation Data



Western blot analysis of lysates from RAW 264.7 cells using Phospho-STING/TMEM173-S365 Rabbit pAb (AP1199SP) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.



Confocal imaging of THP-1 cells (treated with PMA and poly(dA:dT)) and THP-1 cells (untreated) using Phospho-STING/TMEM173-S365 Rabbit pAb (AP1199SP, dilution 1:1600) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.