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Phospho-STING/TMEM173-S365 Rabbit pAb

Catalog No.: AP1199

10 Publications

Basic Information

Observed MW
41 kDa

Calculated MW
43 kDa

Category
Polyclonal Antibodies

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	1:500 - 1:5000
IF/ICC	1:20000 - 1:200000

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
Synthetic peptide. 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

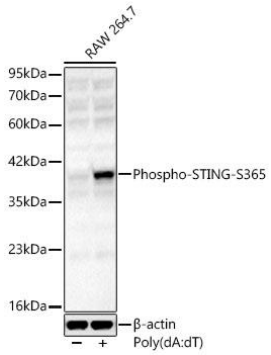
Source
Rabbit

Isotype
IgG

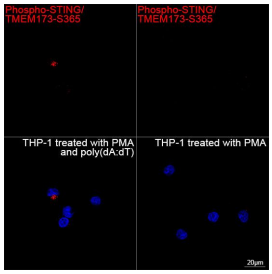
Purity
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

Validation Data



Western blot analysis of lysates from RAW 264.7 cells using Phospho-STING-S365 Rabbit pAb (AP1199) at 1:1000 dilution. RAW264.7 cells were transfection with poly (dA:dT) (5ug/mL) for 3 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.



Confocal imaging of THP-1 cells (treated with PMA and poly(dA:dT)) and THP-1 cells (treated with PMA) using Phospho-STING/TMEM173-S365 Rabbit pAb (AP1199, dilution 1:200000) 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.