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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

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

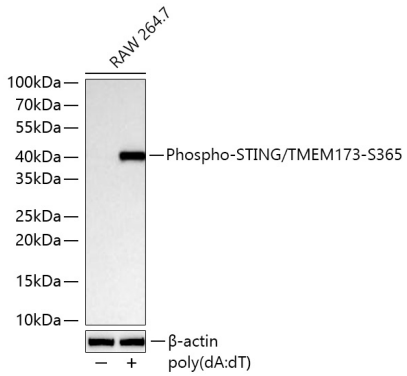
Source
Rabbit

Isotype
IgG

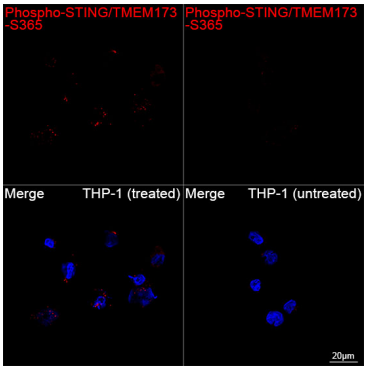
Purification
Affinity purification

Storage
Store at -20℃

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℃.
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.