A20175

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STING/TMEM173 Rabbit pAb

Catalog No.: A20175 6 Publications

Basic Information

Observed MW
33 kDa/35 kDa

Calculated MW
43kDa

Category
Polyclonal Antibody

Applications
WB,IHC-P,ELISA

Cross-Reactivity
Human,Mouse,Rat

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
IHC-P	1:50 - 1:200
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

Contact

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Product Information

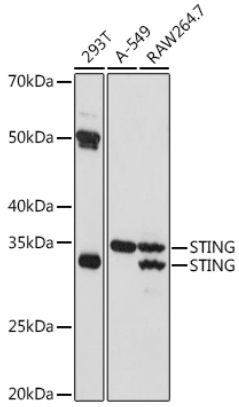
Source
Rabbit

Isotype
IgG

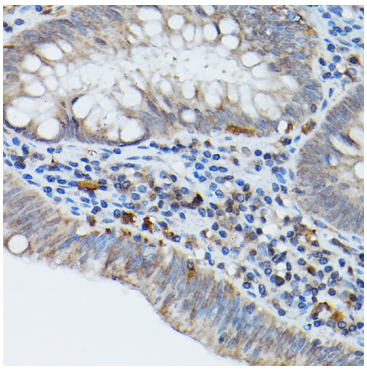
Purification
Affinity purification

Storage
Store at -20℃

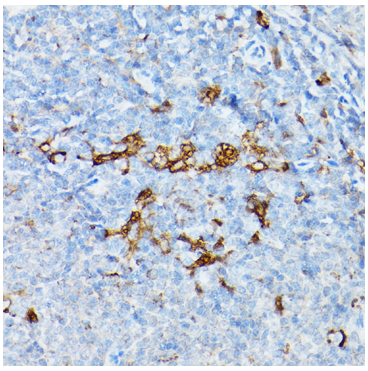
Validation Data



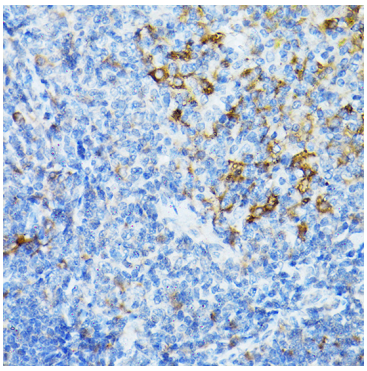
Western blot analysis of various lysates using STING Rabbit pAb (A20175) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using STING Rabbit pAb (A20175) at dilution of 1:20 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen using STING Rabbit pAb (A20175) at dilution of 1:20 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen using STING Rabbit pAb (A20175) at dilution of 1:20 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.