STING/TMEM173 Rabbit pAb

Catalog No.: A3575 19 Publications



Basic Information

Observed MW

40kDa

Calculated MW

42kDa

Category

Primary antibody

Applications

WB,IP,IF-P,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a five transmembrane protein that functions as a major regulator of the innate immune response to viral and bacterial infections. The encoded protein is a pattern recognition receptor that detects cytosolic nucleic acids and transmits signals that activate type I interferon responses. The encoded protein has also been shown to play a role in apoptotic signaling by associating with type II major histocompatibility complex. Mutations in this gene are the cause of infantile-onset STING-associated vasculopathy. Alternate splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:100 - 1:500

IP 0.5μg-4μg antibody for 200μg-400μg extracts of

whole cells

IF-P 1:50 - 1:200

IHC-P 1:50 - 1:200

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

Contact

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Immunogen Information

 Gene ID
 Swiss Prot

 340061
 Q86WV6

Immunogen

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

Synonyms

ERIS; MITA; MPYS; SAVI; NET23; STING; hMITA; hSTING; TMEM173; STING-beta; STING/TMEM173

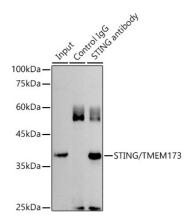
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

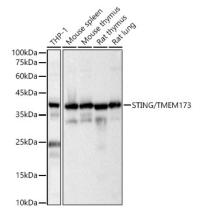
Storage

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

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.



Immunoprecipitation analysis of 300 μ g extracts of HT-29 cells using 3 μ g STING/TMEM173 antibody (A3575). Western blot was performed from the immunoprecipitate using STING/TMEM173 antibody (A3575) at a dilution of 1:500.

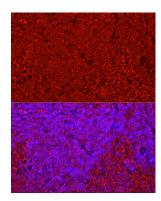


Western blot analysis of various lysates, using STING/TMEM173 Rabbit pAb (A3575) at 1:400 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: $25\mu g$ per lane.

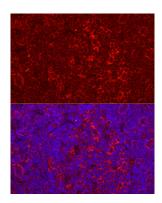
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Immunofluorescence analysis of paraffinembedded mouse spleen using STING/TMEM173 Rabbit pAb (A3575) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Immunofluorescence analysis of paraffinembedded rat spleen using STING/TMEM173 Rabbit pAb (A3575) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.