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STING/TMEM173 Rabbit pAb

Catalog No.: A3575SP **27 Publications**

Basic Information

Observed MW
37 kDa

Calculated MW
35 kDa/37 kDa

Category
Primary antibody

Applications
WB,IP,IF/ICC,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	1:2000 - 1:10000
IP	0.2 μg - 4 μg antibody for 200 μg - 600 μg extracts of whole cells
IF/ICC	1:100 - 1:400
IF-P	1:200 - 1:800
IHC-P	1:5000 - 1:20000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
340061

Swiss Prot
Q86WV6

Immunogen
This information is considered to be commercially sensitive.

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

Product Information

Source
Rabbit

Isotype
IgG

Purification
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.

Contact

400-999-6126

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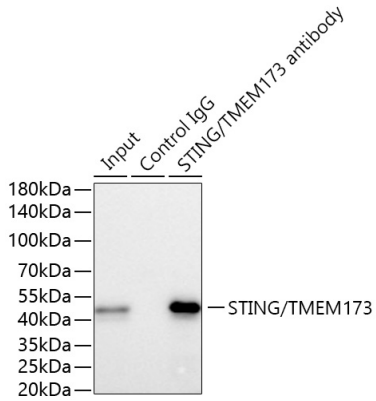
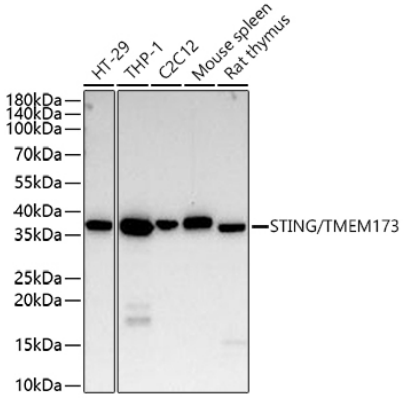
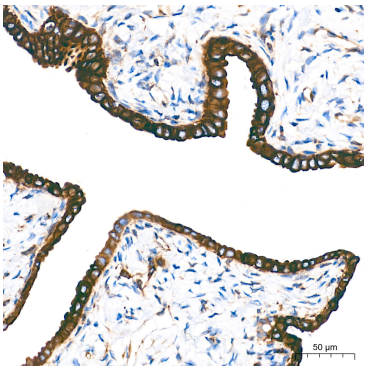
Validation Data



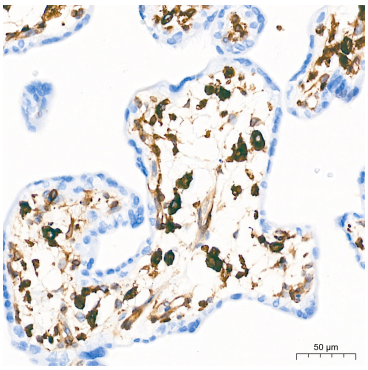
Immunoprecipitation of STING/TMEM173 from 300 µg extracts of HL-60 cells was performed using 0.3 µg of STING/TMEM173 Rabbit pAb (A3575SP). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using STING/TMEM173 Rabbit pAb (A3575SP) at a dilution of 1:1000.



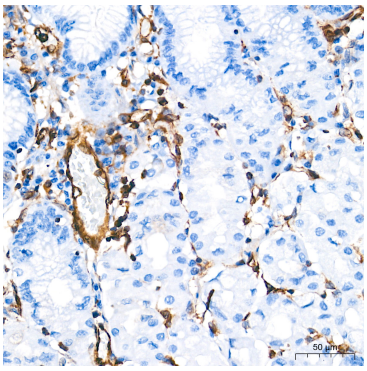
Western blot analysis of various lysates using STING/TMEM173 Rabbit pAb (A3575SP) at 1:3000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5 s.



Immunohistochemistry analysis of paraffin-embedded Human fallopian tube tissue using STING/TMEM173 Rabbit pAb (A3575SP) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

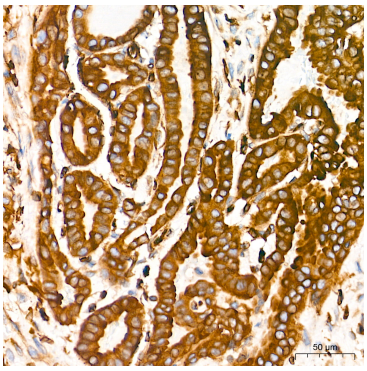


Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using STING/TMEM173 Rabbit pAb (A3575SP) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

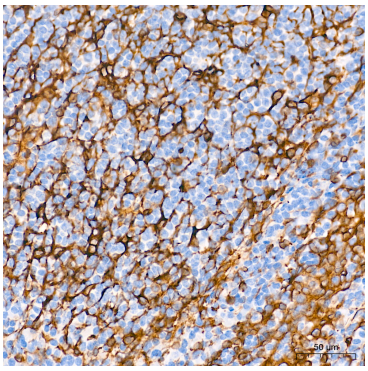


Immunohistochemistry analysis of paraffin-embedded Human stomach tissue using STING/TMEM173 Rabbit pAb (A3575SP) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

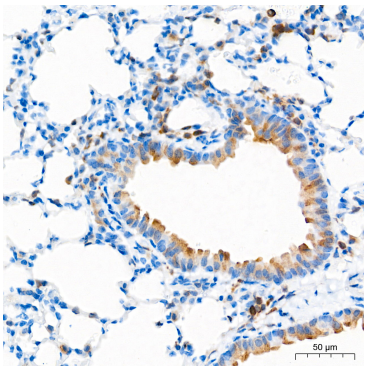
Validation Data



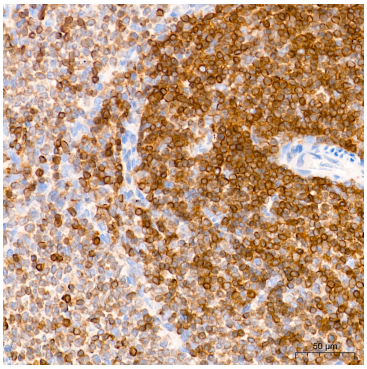
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using STING/TMEM173 Rabbit pAb (A3575SP) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



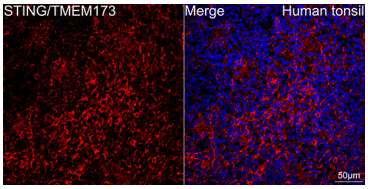
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using STING/TMEM173 Rabbit pAb (A3575SP) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



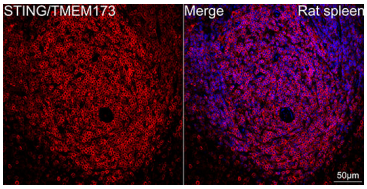
Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using STING/TMEM173 Rabbit pAb (A3575SP) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



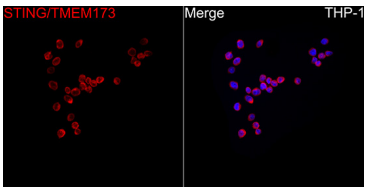
Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using STING/TMEM173 Rabbit pAb (A3575SP) at a dilution of 1:10000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Human tonsil tissue using STING/TMEM173 Rabbit pAb (A3575SP, dilution 1:800) 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). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Confocal imaging of paraffin-embedded Rat spleen tissue using STING/TMEM173 Rabbit pAb (A3575SP, dilution 1:800) 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). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunofluorescence analysis of THP-1 cells using STING/TMEM173 Rabbit pAb (A3575SP) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.