

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-TMEM173/STING



Numéro de catalogue: 19851-1-AP

Phare

209 Publications

## Informations de base

Numéro de catalogue:

19851-1-AP

Taille:

150ul, Concentration: 700 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG13921

Numéro d'acquisition GenBank:

BC047779

Identification du gène (NCBI):

340061

Nom complet:

transmembrane protein 173

MW calculé

379 aa, 42 kDa

MW observés:

35-40 kDa, 80 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:4000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:2000-1:8000

IF 1:50-1:500

## Applications

Applications testées:

FC, IF, IHC, IP, WB, ELISA

Demandes citées:

Blocking assay, CoIP, FC, IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, porc, rat, singe, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : cellules HEK-293, cellules C2C12, cellules HepG2, cellules HL-60, cellules HT-29, cellules Raji, cellules THP-1, tissu de thymus de souris, tissu splénique de souris

IP : tissu splénique de souris,

IHC : tissu d'amygdalite humaine, tissu de cancer du foie humain, tissu de thymus de rat, tissu de thymus de souris, tissu splénique humain

IF : cellules HT-29, tissu d'amygdalite humaine

## Informations générales

Stimulator of interferon genes (STING, also known as ERIS, MITA and MPYS, and encoded by TMEM173) is a transmembrane adaptor protein that facilitates innate immune signaling (PMID: 18724357). STING is widely expressed in various cell types such as endothelial cells, epithelial cells, T cells, macrophages, and dendritic cells (PMID: 26603901). It is predominantly located in the endoplasmic reticulum (ER). STING functions as a sensor of cytosolic DNA and promotes the production of type I interferons and pro-inflammatory cytokines. STING is a 379 amino acid protein with a calculated molecular weight of 42 kDa. It has been observed at 35-40 kDa (PMID: 27324217; 29632140; 30918080), and 70-80 kDa corresponding to the expected size of a STING dimer (PMID: 25790474; 29491158).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Junzhe Jiao	36174680	Am J Pathol	WB, IHC, IF
Pu Song	36125406	EMBO Rep	WB, IF
Yulin Xu	34578409	Viruses	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20°C

\*\*\* Les 20ul contiennent 0,1% de BSA.

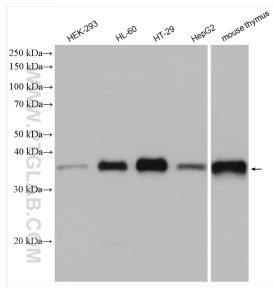
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

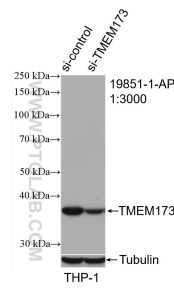
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

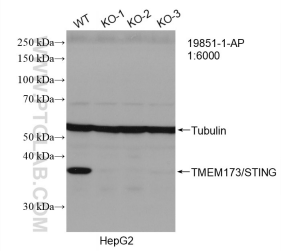
## Données de validation sélectionnées



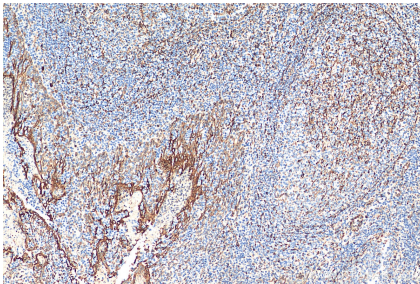
Various lysis were subjected to SDS PAGE followed by western blot with 19851-1-AP (TMEM173/STING antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



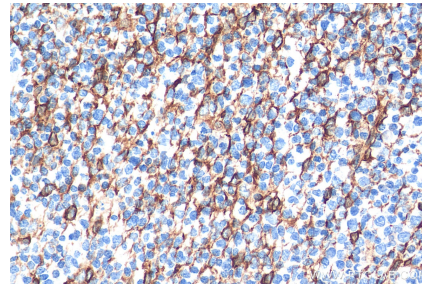
WB result of TMEM173/STING antibody (19851-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TMEM173/STING transfected THP-1 cells.



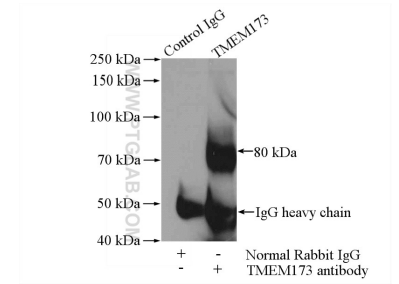
WB result of TMEM173/STING antibody (19851-1-AP; 1:6000; room temperature for 1.5 hours) with wild-type and TMEM173/STING knockout HepG2 cells.



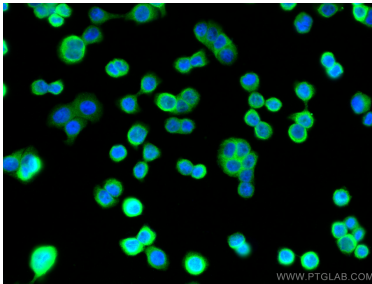
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 19851-1-AP (TMEM173/STING antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



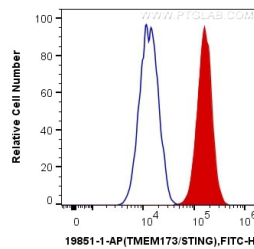
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 19851-1-AP (TMEM173/STING antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-TMEM173/STING (IP:19851-1-AP, 4ug; Detection:19851-1-AP 1:1000) with mouse spleen tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed HT-29 cells using TMEM173/STING antibody (19851-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> THP-1 cells were intracellularly stained with 0.4 ug Anti-Human TMEM173/STING (19851-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).