

Nur für Forschungszwecke

# TMEM173/STING Polyklonaler Antikörper



Katalog-Nr.: 19851-1-AP

Vorgestelltes Produkt

187 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 19851-1-AP	<b>GenBank-Zugangsnummer:</b> BC047779	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 700 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 340061	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:4000 IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> transmembrane protein 173	<b>IHC 1:2000-1:8000</b> <b>IF 1:50-1:500</b>
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 379 aa, 42 kDa	
<b>Immunogen Katalognummer:</b> AG13921	<b>Beobachtete Masse:</b> 35-40 kDa, 80 kDa	

## Anwendungen

### Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

### In Publikationen genannte Anwendungen:

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

### Getestete Reaktivität:

Human, Maus, Ratte

### Zitierte Arten:

Affe, Hausschwein, Human, Maus, Ratte

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB:** HEK-293-Zellen, C2C12-Zellen, HepG2-Zellen, HL-60-Zellen, HT-29-Zellen, Mausmilzgewebe, Maus-Thymusgewebe, Raji-Zellen, THP-1-Zellen

**IP:** Mausmilzgewebe,

**IHC:** humanes Tonsillitisgewebe, humanes Leberkarzinomgewebe, humanes Milzgewebe, Ratten-Thymusgewebe

**IF:** HT-29-Zellen, humanes Tonsillitisgewebe

## Hintergrundinformationen

Stimulator of interferon genes (STING, also known as ERI5, 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).

## Bemerkenswerte Veröffentlichungen

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

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

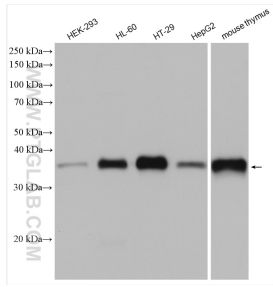
For technical support and original validation data for this product please contact:

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

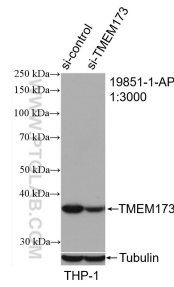
E: proteintech@ptglab.com  
W: ptglab.com

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

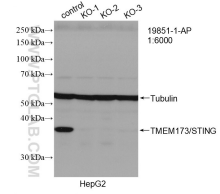
## Ausgewählte Validierungsdaten



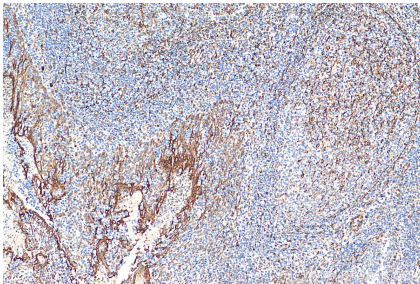
Various lysis were subjected to SDS PAGE followed by western blot with 19851-1-AP (TMEM173/STING antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



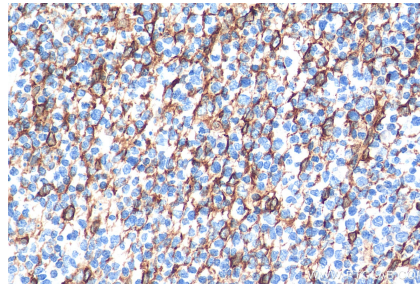
WB result of TMEM173/STING antibody (19851-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TMEM173/STING transfected THP-1 cells.



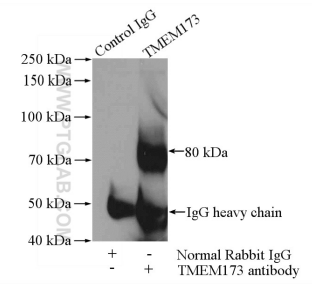
WB result of TMEM173/STING antibody (19851-1-AP; 1:6000; room temperature for 1.5 hours) with wild-type and TMEM173/STING knockout HepG2 cells.



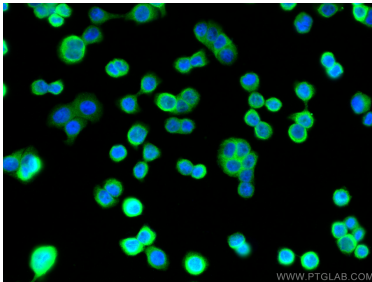
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 19851-1-AP (TMEM173/STING antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



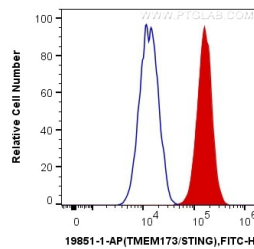
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 19851-1-AP (TMEM173/STING antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).