

**Product Name: TMEM173 Rabbit Polyclonal Antibody**  
**Catalog #: AP Rab19052**

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## Summary

<b>Production Name</b>	TMEM173 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ELISA
<b>Reactivity</b>	Human,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	TMEM173 ERIS MITA STING TMEM173; ERIS; MITA; STING; Transmembrane protein 173; Endoplasmic reticulum
<b>Alternative Names</b>	interferon stimulator; ERIS; Mediator of IRF3 activation; hMITA; Stimulator of interferon genes protein; hSTING
<b>Gene ID</b>	340061.0
<b>SwissProt ID</b>	Q86WV6.Synthesized peptide derived from Transmembrane protein 173 at AA range: 301-350

## Application

<b>Dilution Ratio</b>	WB 1:500 - 1:2000. IHC-p: 1:100-1:300. ELISA: 1:20000..
<b>Molecular Weight</b>	38kD

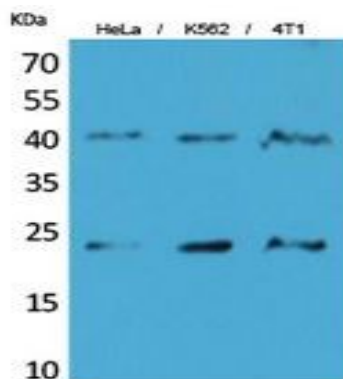
## Background

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. [provided by RefSeq, Sep 2014],function:Acts as a facilitator of innate immune signaling. Able to activate both NF-kappa-B and IRF3 transcription pathways to induce expression of type I interferon (IFN-alpha and IFN-beta) and exert a potent anti-viral state following expression. May be involved in translocon function, the translocon possibly being able to influence the induction of type I interferons. May be involved in transduction of apoptotic signals via its association with the major histocompatibility complex class II (MHC-II). Mediates death signaling via activation of the extracellular signal-regulated kinase (ERK) pathway.,PTM:Phosphorylated on tyrosine residues upon MHC-II aggregation.,subunit:Associates with the MHC-II complex (By similarity). Interacts with DDX58/RIG-I, MAVS/VISA and SSR2.,tissue specificity:Ubiquitously expressed.,

## Research Area

RIG-I-like receptor;Cytosolic DNA-sensing pathway;

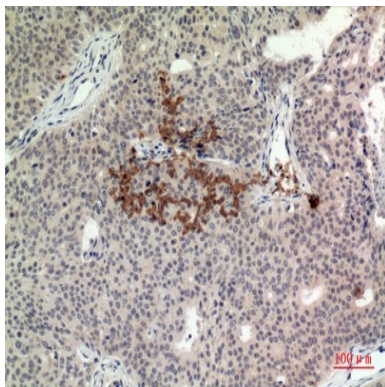
## Image Data



Western Blot analysis of HeLa, K562, 4T1 cells using TMEM173 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

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Immunohistochemical analysis of paraffin-embedded human-Breast-cancer, antibody was diluted at 1:100

### **Note**

For research use only.