

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



Summary

Production Name	TMEM173 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse

Performance

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

Immunogen

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

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:20000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	38kDa

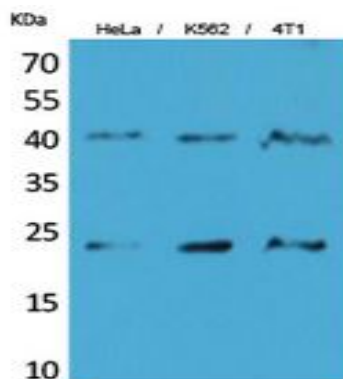
Background

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

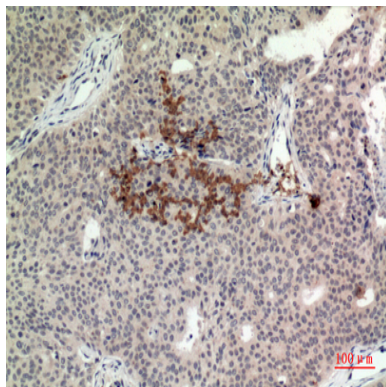
RIG-I-like receptor;Cytosolic DNA-sensing pathway;

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.