

STING/TMEM173 Polyclonal Antibody

Catalog No: YT5488

Reactivity: Human; Mouse

Applications: WB;IHC;IF;ELISA

Target: STING/TMEM173

Fields: >>NOD-like receptor signaling pathway;>>RIG-I-like receptor signaling

pathway;>>Cytosolic DNA-sensing pathway;>>Shigellosis;>>Human cytomegalovirus infection;>>Herpes simplex virus 1 infection;>>Human immunodeficiency virus 1 infection;>>Coronavirus disease - COVID-19

Gene Name: TMEM173 ERIS MITA STING

Protein Name: Transmembrane protein 173

Q86WV6

Human Gene Id: 340061

Human Swiss Prot

No:

Mouse Gene Id: 72512

Mouse Swiss Prot

No:

Immunogen: Synthesized peptide derived from Transmembrane protein 173 at AA range:

301-350

Q3TBT3

Specificity: TMEM173 Polyclonal Antibody detects endogenous levels of TMEM173 protein.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: _-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 38kD

Cell Pathway: RIG-I-like receptor; Cytosolic DNA-sensing pathway;

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: 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.,

Subcellular Location : Endoplasmic reticulum membrane; Multi-pass membrane protein. Cytoplasm, perinuclear region. Endoplasmic reticulum-Golgi intermediate compartment membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Cytoplasmic vesicle, autophagosome membrane; Multi-pass membrane protein. Mitochondrion outer membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. In response to double-stranded DNA stimulation, translocates from the endoplasmic reticulum through the endoplasmic reticulum-Golgi intermediate compartment and Golgi to post-Golgi vesicles, where the kinase TBK1 is recruited (PubMed:19433799, PubMed:30842659, PubMed:30842653, PubMed:29694889). Upon cGAMP-

binding, translocates to the endoplasmic reticulum-Golgi interme

Expression: Ubiquitously expressed. Expressed in skin endothelial cells, alveolar type 2

pneumocytes, bronchial epithelium and alveolar macrophages.

Tag: hot

Sort: 1

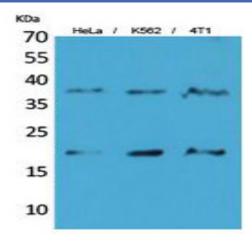


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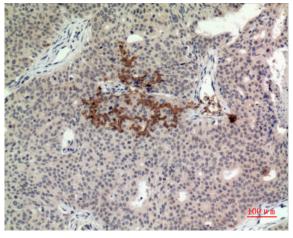
Host: Rabbit

Modifications: Unmodified

Products Images



Western Blot analysis of HeLa, K562, 4T1 cells using TMEM173 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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