

TMEM173 (Phospho Ser365) (PT1380R) PT™ Rabbit mAb

CatalogNo: YM9222 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IF, ELISA

MW

- 42kD (Calculated)
37kD (Observed)

Isotype

- IgG, Kappa

Storage

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

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

WB 1:1000-1:5000

IF 1:200-1:1000

ELISA 1:5000-1:20000

Basic Information

Clonality Monoclonal

Clone Number PT1380R

Immunogen Information

Immunogen The specific immunogen used to produce this antibody is proprietary information.

Specificity TMEM173 (Phospho Ser365) Antibody detects endogenous levels of Mouse TMEM173 protein only when phosphorylated at S365. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):LISGM

Target Information

Gene name TMEM173 ERS MITA STING
Protein Name Transmembrane protein 173

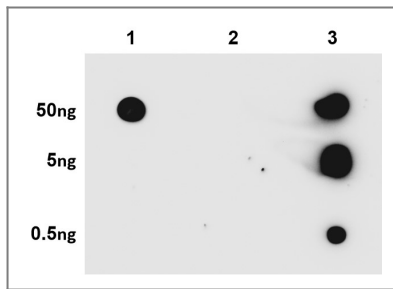
Organism	Gene ID	UniProt ID
Human	340061 ;	Q86WV6 ;
Mouse	72512 ;	Q3TBT3 ;

Cellular Localization 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 intermediate compartment (ERGIC) in a process that is dependent on COPII vesicles; STING1-containing ERGIC serves as a membrane source for LC3 lipidation , which is a key step in autophagosome biogenesis (PubMed:30842662) . .

Tissue specificity Ubiquitously expressed. Expressed in skin endothelial cells , alveolar type 2 pneumocytes , bronchial epithelium and alveolar macrophages.

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. ,

Validation Data



The membrane was blotted with anti-TMEM173 (Phospho Ser365) (PT1380R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: TMEM173 phospho Ser365 peptide Lane 2: TMEM173 non-phospho peptide Lane 3: Goat anti-Rabbit IgG

Contact information

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TMEM173 (Phospho Ser365) (PT1380R) PT™ Rabbit mAb

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