

anti-Human TMEM173 Polyclonal Antibody | anti-TMEM173 antibody

Anti-TMEM173 Antibody

CATALOG # AAA46526	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

TMEM173; Polyclonal Antibody; Anti-TMEM173 Antibody; Stimulator of interferon genes protein; endoplasmic reticulum IFN stimulator; Endoplasmic reticulum interferon stimulator; ERIS; FLJ38577; hMITA; hSTING; Mediator of IRF3 activation; MITA; Mitochondrial mediator of IRF3 activation; MPYS; N terminal methionine proline tyrosine serine plasma membrane tetraspanner; NET23; Stimulator of interferon genes; STING; TM173_HUMAN; Tmem173; Transmembrane protein 173; transmembrane protein 173; anti-TMEM173 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	379
Applicable Applications for anti-TMEM173 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TMEM173 (284-316aa RLEQAKLFCRTLEDILADAPESQNNCRLIAYQE), different from the related mouse sequence by five amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- TMEM173 Picoband antibody, AAA46526, IHC(P)IHC(P): Human Lung Cancer Tissue



WB (Western Blot)

Anti- TMEM173 Picoband antibody, AAA46526, Western blottingAll lanes: Anti TMEM173 (AAA46526) at 0.5ug/mlLane 1: A549 Whole Cell Lysate at 40ugLane 2: HELA Whole Cell Lysate at 40ugPredicted bind size: 42KDObserved bind size: 42KD

ADDITIONAL INFORMATION

Related Product Information for anti-TMEM173 antibody	Description: Rabbit IgG polyclonal antibody for Stimulator of interferon genes protein (TMEM173) detection. Tested with WB, IHC-P in Human. Background: Transmembrane protein 173 is a protein that in humans is encoded by the TMEM173 gene. 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. Also the encoded protein has 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.
References	1. "Entrez Gene: Transmembrane protein 173". 2. Ishikawa, H; Barber, G. N. (2008). "STING is an endoplasmic reticulum adaptor that facilitates innate immune signalling".Nature 455 (7213): 674-8. 3. Nazmi, A; Mukhopadhyay, R; Dutta, K; Basu, A (2012)."STING mediates neuronal innate immune response following Japanese encephalitis virus infection". Scientific Reports 2: 347.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38093659
NCBI GeneID	340061
NCBI Accession #	NP_938023.1
NCBI GenBank Nucleotide #	NM_198282.3
UniProt Accession #	Q86WV6; A8K3P6; B6EB35; D6RBX0; D6RE01; D6RID9
Molecular Weight	42,193 Da
NCBI Official Full Name	stimulator of interferon genes protein isoform 1
NCBI Official Synonym Full Names	transmembrane protein 173
NCBI Official Symbol	TMEM173
NCBI Official Synonym Symbols	ERIS; MITA; MPYS; SAVI; NET23; STING; hMITA; hSTING
NCBI Protein Information	stimulator of interferon genes protein
UniProt Protein Name	Stimulator of interferon genes protein
UniProt Gene Name	TMEM173
UniProt Synonym Gene Names	ERIS; MITA; STING; hSTING; ERIS; hMITA
UniProt Entry Name	STING_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.