

Rabbit anti-Human, Mouse MPYS Polyclonal Antibody | anti-TMEM173 antibody

MPYS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39572	Rabbit	Human, Mouse	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

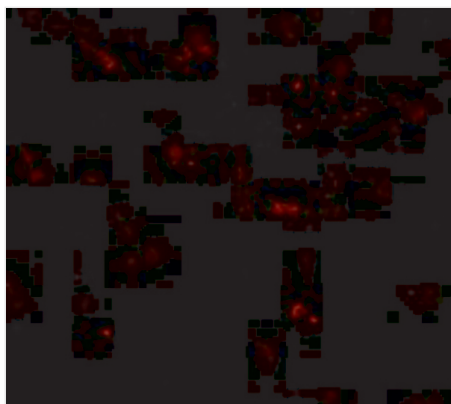
PRODUCT SYNONYMS

MPYS; Polyclonal Antibody; MPYS Antibody; ERIS; MITA; NET23; STING; Stimulator of interferon genes protein; Endoplasmic reticulum interferon stimulator; hSTING; transmembrane protein 173; anti-TMEM173 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	MPYS Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	379
Applicable Applications for anti-TMEM173 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MPYS antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human MPYS.
Buffer	MPYS Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

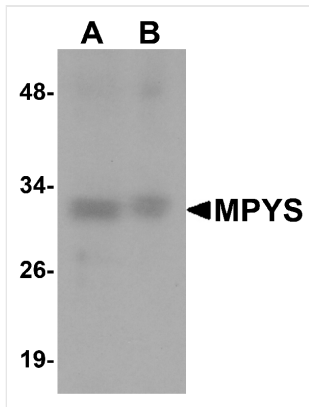
IMAGES


IF (Immunofluorescence)

Immunofluorescence of MPYS in A-20 cells with MPYS antibody at 20 ug/mL.


ICC (Immunocytochemistry)

Immunocytochemistry of MPYS in A-20 cells with MPYS antibody at 5 ug/mL.



WB (Western Blot)

Western blot analysis of MPYS in (A) K562 and (B) Jurkat cell lysate with MPYS antibody at 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-TMEM173 antibody	MPYS Antibody: MPYS is a recently identified plasma membrane tetraspanner that is associated with major histocompatibility complex class II (MHC-II) and mediates its transduction of apoptotic signals. It has also been found to be associated with VISA, a mitochondrial protein that acts as an adaptor in virus-triggered signaling. MPYS also interacts with IRF3 and recruits the kinase TBK1 to the VISA-associated complex, acting as a critical mediator of virus-triggered IRF3 activation and interferon (IFN) expression. It is thought that the binding of nucleic acid to the innate immune protein RIG-I causes complex formation between RIG-I, VISA, and MPYS. This complex then recruits TBK1 to phosphorylate IRF3 which then directly activates IFN transcription. At least three isoforms of MPYS are known to exist.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38093659
NCBI GeneID	340061
NCBI Accession #	NP_938023
NCBI GenBank Nucleotide #	NM_198282.3
UniProt Accession #	Q86WV6; A8K3P6; B6EB35; D6RBX0; D6RE01; D6RID9
Molecular Weight	Predicted: 31; 42 kDa Observed: 37 kDa
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; endoplasmic reticulum IFN stimulator; mitochondrial mediator of IRF3 activation; endoplasmic reticulum interferon stimulator; N-terminal methionine-proline-tyrosine-serine plasma membrane tetraspanner
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/mpys-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/39572>