

Product datasheet for **TA306811**

STING (TMEM173) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	MPYS antibody was raised against a 17 amino acid peptide near the carboxy terminus of human MPYS.
Formulation:	PBS containing 0.02% sodium azide.
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	transmembrane protein 173
Database Link:	NP_938023 Entrez Gene 72512 Mouse Entrez Gene 340061 Human Q86WV6
Background:	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.

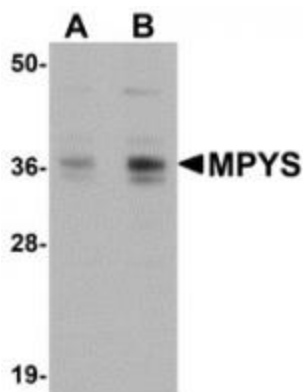


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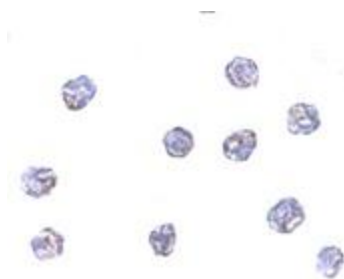
Synonyms: ERIS; hMITA; hSTING; MITA; MPYS; NET23; SAVI; STING

Protein Pathways: Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway

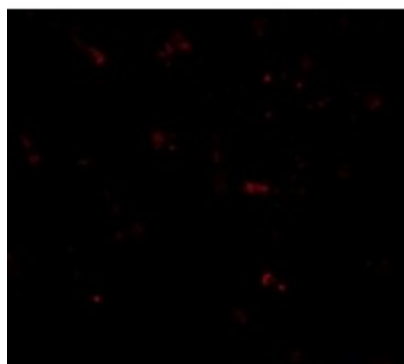
Product images:



Western blot analysis of MPYS in A-20 cell lysate with MPYS antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of MPYS in A20 cells with MPYS antibody at 5 ug/mL.



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