MPYS Antibody

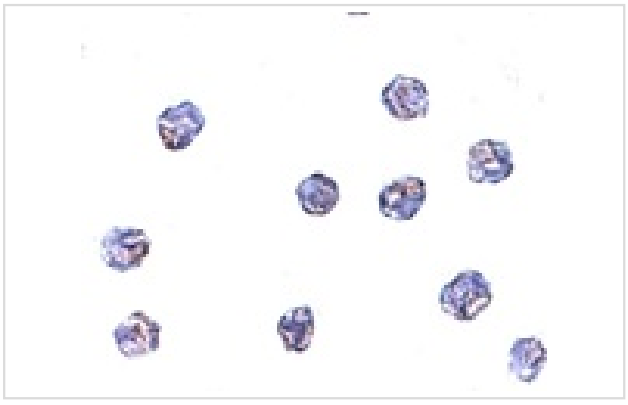
Catalog No: #24935

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

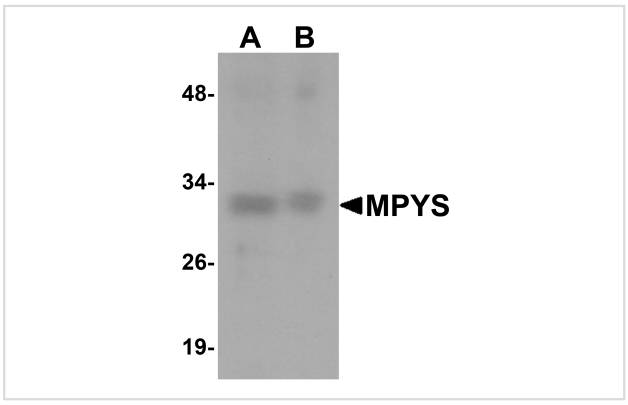
Description

Product Name	MPYS Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the carboxy terminus of human MPYS.
Target Name	MPYS
Other Names	MPYS, Transmembrane protein 173, TMEM173, ERIS, MITA, STING
Accession No.	Swiss-Prot:Q86WV6Gene ID:340061
Uniprot	Q86WV6
GeneID	340061;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



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



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

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.

Note: This product is for in vitro research use only