



# STING (Phospho-Ser366) rabbit pAb

<b>Catalog No</b>	YP-Ab-10458
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	TMEM173 ERIS MITA STING
<b>Protein Name</b>	STING (Phospho-Ser366)
<b>Immunogen</b>	Synthesized peptide derived from human STING (Phospho-Ser366)
<b>Specificity</b>	This antibody detects endogenous levels of STING (Phospho-Ser366) at Human, Mouse,Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.111% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Transmembrane protein 173 (Endoplasmic reticulum interferon stimulator) (ERIS) (Mediator of IRF3 activation) (hMITA) (Stimulator of interferon genes protein) (hSTING)
<b>Observed Band</b>	38kD
<b>Cell Pathway</b>	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 interme
<b>Tissue Specificity</b>	Ubiquitously expressed. Expressed in skin endothelial cells, alveolar type 2 pneumocytes, bronchial epithelium and alveolar macrophages.
<b>Function</b>	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.,

**Background**

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. The encoded protein has also 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. [provided by RefSeq, Sep 2014],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images