Rabbit STING Polyclonal Antibody | anti-STING antibody

Phospho-STING (Ser366) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328535	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunohistochemistry, Western Blot**

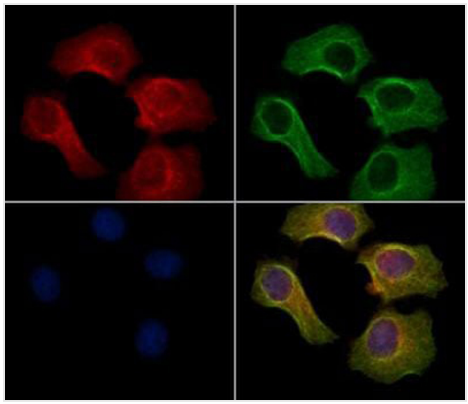
PRODUCT SYNONYMS

STING; Polyclonal Antibody; Phospho-STING (Ser366) Antibody; 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; Stimulator of interferon genes protein; TM173_HUMAN; Tmem173; Transmembrane protein 173; anti-STING antibody

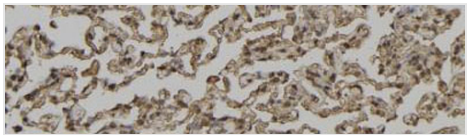
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Phospho-TMEM173/STING (Ser366) Antibody detects endogenous levels of TMEM173/STING only when phosphorylated at Ser366.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-STING antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TMEM173/STING around the phosphorylation site of Ser366.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

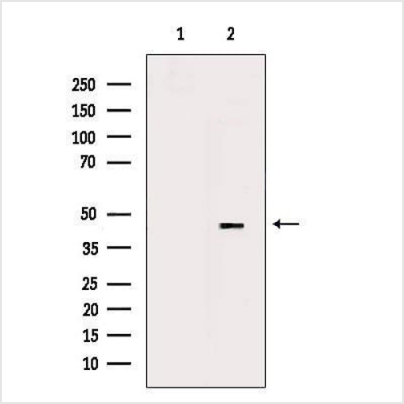
IMAGES



IF (Immunofluorescence)
AAA328535 staining HepG2 cells(4h of LPS treatment) by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA328535 1:200) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat antimouse IgG(H+L) Ab(Green) were used as the secondary



IHC (Immunohiostchemistry)
AAA328535 at 1/100 staining human lung cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from UV treated RAW264.7 cells, using Phospho-STING (Ser366) Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-STING antibody	Facilitator of innate immune signaling that acts as a sensor of cytosolic DNA from bacteria and viruses and promotes the production of type I interferon (IFN-alpha and IFN-beta). Innate immune response is triggered in response to non-CpG double-stranded DNA from viruses and bacteria delivered to the cytoplasm. Acts by recognizing and binding cyclic di-GMP (c-di-GMP), a second messenger produced by bacteria, and cyclic GMP-AMP (cGAMP), a messenger produced in response to DNA virus in the cytosol: upon binding of c-di-GMP or cGAMP, autoinhibition is alleviated and TMEM173/STING is able to activate both NF-kappa-B and IRF3 transcription pathways to induce expression of type I interferon and exert a potent anti-viral state.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38093659
NCBI GeneID	340061
NCBI Accession #	NP_938023.1
NCBI GenBank Nucleotide #	NP_938023.1
UniProt Accession #	Q86WV6
Molecular Weight	Observed: 42 kDa Predicted: 43 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; STING-beta
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.

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