

## Rabbit anti-Human STING/TMEM173 Polyclonal Antibody | anti-STING/TMEM173 antibody

Rabbit anti-STING/TMEM173 Antibody, Affinity Purified

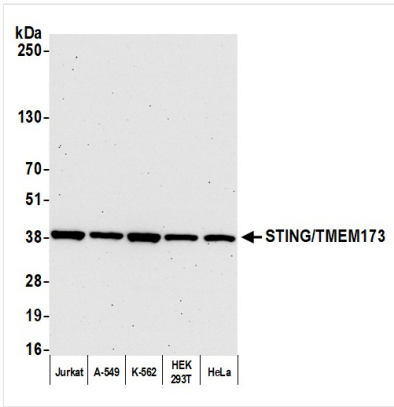
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                      |
|-----------|--------|------------|-----------------------------------|
| AAA213454 | Rabbit | Human      | Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

STING/TMEM173; Polyclonal Antibody; Rabbit anti-STING/TMEM173 Antibody; Affinity Purified; SAVI; Transmembrane protein 173; TMEM173; STING-beta; STING; stimulator of interferon genes protein; N-terminal methionine-proline-tyrosine-serine plasma membrane tetraspanner; NET23; mitochondrial mediator of IRF3 activation; MITA; Mediator of IRF3 activation; hSTING; hMITA; ERIS; endoplasmic reticulum interferon stimulator; endoplasmic reticulum IFN stimulator; MPYS; stimulator of interferon protein; Stimulator of interferon genes protein; transmembrane protein 173; anti-STING/TMEM173 antibody

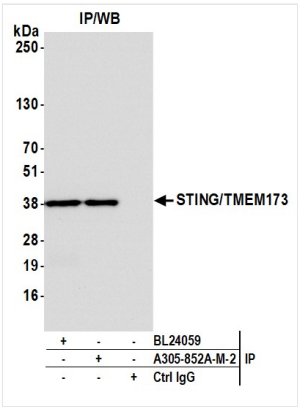
### PRODUCT SPECIFICATIONS

|                                                         |                                                                                           |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                                    | Rabbit                                                                                    |
| Reactivity                                              | Human                                                                                     |
| Clonality                                               | Polyclonal                                                                                |
| Purity/Purification                                     | Antigen Affinity Purified                                                                 |
| Form/Format                                             | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                           | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-STING/TMEM173 antibody | IP (Immunoprecipitation), WB (Western Blot)                                               |
| Immunogen                                               | Between 329 and C-terminus                                                                |
| Conjugation                                             | Unconjugated                                                                              |
| Preparation and Storage                                 | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |



WB (Western Blot)

Detection of human STING/TMEM173 by western blot. Samples: Whole cell lysate (10 ug) from Jurkat, A-549, K-562, HEK293T, and HeLa cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-STING/TMEM173 antibody (AAA213454 lot 2) used for WB at 0.01 mg/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



IP (Immunoprecipitation)

Detection of human STING/TMEM173 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-STING/TMEM173 antibody (AAA213454 lot 2) used for IP at 0.2 ug per reaction. STING/TMEM173 was also immunoprecipitated by a second antibody against a different epitope of STING/TMEM173 (BL24059). For blotting immunoprecipitated STING/TMEM173, AAA213454 was used at 0.01 mg/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-STING/TMEM173 antibody | STING/TMEM173 is a 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. 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. Essential for the induction of IFN-beta in response to human herpes simplex virus 1 (HHV-1) infection. Exhibits 2',3' phosphodiester linkage-specific ligand recognition. Can bind both 2'-3' linked cGAMP and 3'-3' linked cGAMP but is preferentially activated by 2'-3' linked cGAMP. [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q86WV6]. |
| Product Categories/Family for anti-STING/TMEM173 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 38093659                                       |
| NCBI GeneID                      | 340061                                         |
| NCBI Accession #                 | NP_938023.1                                    |
| NCBI GenBank Nucleotide #        | NM_198282.2                                    |
| UniProt Accession #              | Q86WV6; A8K3P6; B6EB35; D6RBX0; D6RE01; D6RID9 |
| Molecular Weight                 | 379                                            |
| NCBI Official Full Name          | stimulator of interferon genes protein         |
| NCBI Official Synonym Full Names | transmembrane protein 173                      |
| NCBI Official Symbol             | TMEM173                                        |
| NCBI Official Synonym Symbols    | ERIS; MITA; MPYS; NET23; STING                 |

|                            |                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Protein Information   | stimulator of interferon genes protein; hMITA; hSTING; mediator of IRF3 activation; endoplasmic reticulum IFN stimulator; mitochondrial mediator of IRF3 activation; endoplasmic reticulum interferon stimulator; N-terminal methionine-proline-tyrosine-serine |
| UniProt Protein Name       | Stimulator of interferon genes protein                                                                                                                                                                                                                          |
| UniProt Gene Name          | <b>TMEM173</b>                                                                                                                                                                                                                                                  |
| 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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sting-tmем173-antibody-immunoprecipitation-western-blot-elisa/213454>