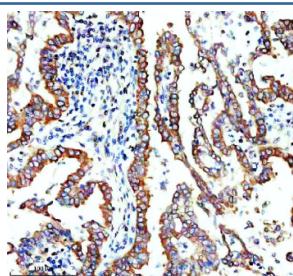


STING1 Antibody / Stimulator of interferon genes / TMEM173 (FY13022)

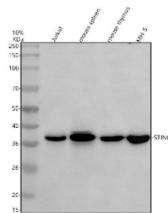
Catalog No.	Formulation	Size
FY13022	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml	100 ug

Bulk quote request

Availability	1-2 days
Species Reactivity	Human, Mouse, Rat
Format	Lyophilized
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Immunogen affinity purified
Buffer	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
UniProt	Q86WV6
Localization	Cytoplasm, Nucleus
Applications	Western Blot : 0.25-0.5ug/ml Immunohistochemistry : 2-5ug/ml Immunocytochemistry/Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This STING1 antibody is available for research use only.



Immunohistochemical staining of TMEM173/STING using anti-STING1 antibody. TMEM173/STING was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-STING1 antibody overnight at 4oC. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37oC. The tissue section was developed using an HRP secondary and DAB substrate.



a severe autoinflammatory disorder characterized by excessive interferon signaling. Conversely, impaired STING activation increases susceptibility to infection and impedes tumor immune surveillance. In oncology, STING serves as a therapeutic target for cancer immunotherapy, where agonists are used to boost antitumor immunity through interferon induction and dendritic cell activation.

STING antibody is widely used in immunology, oncology, and inflammation research. It is suitable for western blotting, immunofluorescence, and immunoprecipitation to detect endogenous STING protein and study its activation dynamics. This antibody supports investigations into innate immune signaling, interferon pathway regulation, and host-pathogen interactions. In cancer studies, STING detection helps evaluate immune activation following treatment with STING agonists or DNA-damaging agents.

Structurally, STING forms a homodimer with a cytosolic ligand-binding domain that interacts with cGAMP and CDNs. The protein contains four transmembrane helices anchoring it to the ER membrane and a C-terminal tail essential for TBK1 and IRF3 recruitment. NSJ Bioreagents provides STING1 antibody reagents validated for use in innate immune signaling, inflammation, and antiviral response research.

Application Notes

Optimal dilution of the STING1 antibody should be determined by the researcher.

Immunogen

E.coli-derived human TMEM173/STING recombinant protein (Position: L66-K347) was used as the immunogen for the STING1 antibody.

Storage

After reconstitution, the STING1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.