

STING Rabbit monoclonal antibody

Catalog: BS66245

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Stimulator of interferon genes (STING, TMEM173, MITA) is a transmembrane adaptor protein that is a critical component of the cellular innate immune response to pathogenic cytoplasmic DNA. STING is a ubiquitously expressed protein found predominantly in the ER. The enzyme cGAMP synthase (cGAS) produces the second messenger cyclic-GMP-AMP (cGAMP) in response to cytoplasmic DNA. cGAMP binds and activates STING. In addition, detection of cytoplasmic DNA by nucleic acid sensors, including DDX41 or IFI16, results in STING activation. Following activation, STING translocates with TBK1 to perinuclear endosomes. The TBK1 kinase phosphorylates and activates interferon regulatory factors (IRFs) and NF- κ B, which leads to the induction of type I interferon and other immune response genes.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 35 kDa

Swiss-Prot:

Q86WV6

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB, 1:500 - 1:1000 | IHC, 1:100 - 1:500

Storage&Stability:

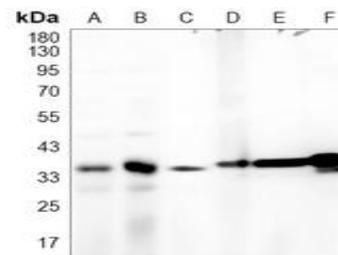
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

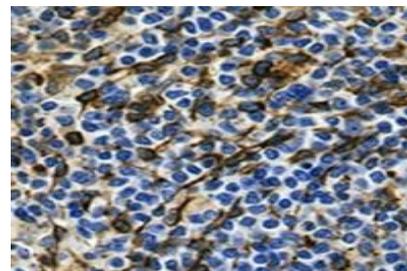
Specificity:

STING Rabbit monoclonal antibody detects endogenous levels of STING protein.

DATA:



Western blot analysis of STING expression in MG63 (A), HUT78 (B), mouse kidney (C), mouse lung (D), rat kidney (E), rat lung (F) whole cell lysates.



Immunohistochemical analysis of STING staining in human colon cancer formalin fixed paraffin embedded tissue section.

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151