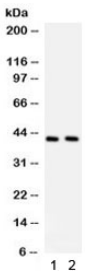
STING Antibody (R32276)

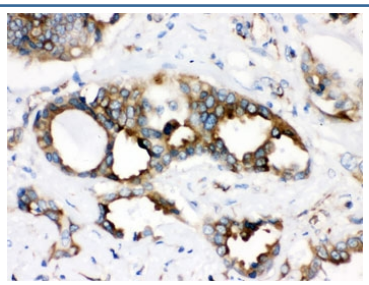
Catalog No.	Formulation	Size
R32276	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q86WV6
Localization	Cytoplasmic
Applications	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This STING antibody is available for research use only.



Western blot testing of human 1) A549 and 2) HeLa cell lysate with STING antibody. Predicted molecular weight ~42/35 kDa.



IHC testing of FFPE human lung cancer with STING antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

Transmembrane protein 173, also called STING, is a protein that in humans is encoded by the TMEM173 gene. 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. Also the encoded protein has 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.

Application Notes

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

Immunogen

Amino acids RLEQAKLFCRTLEDILADAPESQNNCRLIAYQE of human STING were used as the immunogen for the STING antibody.

Storage

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