TMEM173 (Phospho Ser366) Rabbit pAb (AR20099)

Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB
Isotype:	IgG
MW:	38kD (Observed)

Recommended Dilution Ratios

WB:	1:1000-2000

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Polyclonal

Immunogen Information

Specificity	This antibody detects endogenous levels of Human/Rat STING (phospho-Ser366) or mouse STING (phospho-Ser365)

Target Information

Gene name	TMEM173 ERIS MITA STING
Protein Name	Transmembrane protein 173

Organism	Gene ID	UniProt ID
Human	340061	Q86WV6
Mouse	72512	Q3TBT3

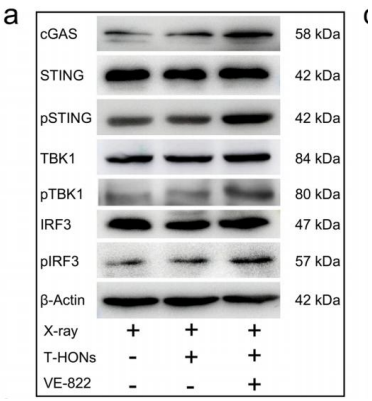
Cellular Localization	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Cytoplasm, perinuclear region . Endoplasmic reticulum-Golgi intermediate compartment membrane ; Multi-pass membrane protein . Golgi apparatus membrane ; Multi-pass membrane protein . Cytoplasmic vesicle, autophagosome membrane ; Multi-pass membrane protein . Mitochondrion outer membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein . In response to double-stranded DNA stimulation, translocates from the endoplasmic reticulum through the endoplasmic reticulum-Golgi intermediate compartment and Golgi to post-Golgi vesicles, where the kinase TBK1 is recruited

(PubMed:19433799, PubMed:30842659, PubMed:30842653, PubMed:29694889). Upon cGAMP-binding, translocates to the endoplasmic reticulum-Golgi intermediate compartment (ERGIC) in a process that is dependent on COPII vesicles; STING1-containing ERGIC serves as a membrane source for LC3 lipidation, which is a key step in autophagosome biogenesis (PubMed:30842662).

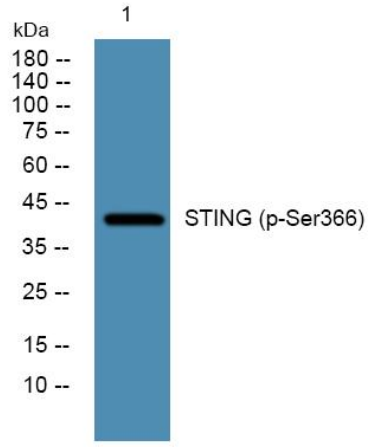
Tissue specificity

Ubiquitously expressed. Expressed in skin endothelial cells, alveolar type 2 pneumocytes, bronchial epithelium and alveolar macrophages.

Validation Data



Hafnium oxide nanoparticles coated ATR inhibitor to enhance the radiotherapy and potentiate antitumor immune response CHEMICAL ENGINEERING JOURNAL Zhanjun Gu WB Mouse 4T1 cell



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4°over night

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