

## TMEM173 Rabbit pAb (AR20098)

### Key Features

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

### Recommended Dilution Ratios

WB:	1:500-1:2000
IHC:	1:100-1:300
IF:	1:50-200
ELISA:	1:20000

### Storage

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

### Basic Information

Clonality	Polyclonal
-----------	------------

### Immunogen Information

Specificity	TMEM173 Polyclonal Antibody detects endogenous levels of TMEM173 protein
-------------	--

### Target Information

Gene name	TMEM173 ERIS MITA STING
Protein Name	Transmembrane protein 173

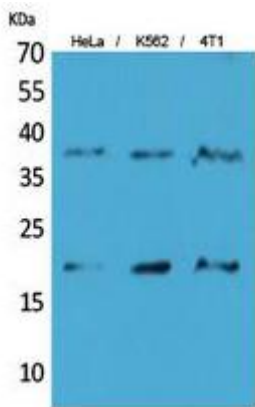
Organism	Gene ID	UniProt ID
Human	340061	Q86WV6
Mouse	72512	Q3TBT3

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
-----------------------	--

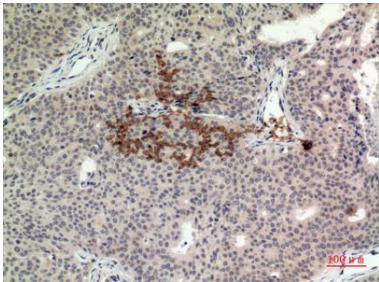
protein . In response to double-stranded DNA stimulation, translocates from the endoplasmic reticulum through the endoplasmic reticulum-Golgi intermediate compartment and Golgi to post-Golgi vesicles, where the kinase TBK1 is recruited (PubMed:19433799, PubMed:30842659, PubMed:30842653, PubMed:29694889). 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). Ubiquitously expressed. Expressed in skin endothelial cells, alveolar type 2 pneumocytes, bronchial epithelium and alveolar macrophages.

Tissue specificity

## Validation Data



Western Blot analysis of HeLa, K562, 4T1 cells using TMEM173 Polyclonal Antibody. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-Breast-cancer, antibody was diluted at 1:100

For Research Use Only