

TMEM173 (Phospho Ser365) Rabbit mAb (AR1981)

Key Features

Host Species:	Rabbit
Reactivity:	Mouse
Applications:	WB,IF,ELISA
Isotype:	IgG,Kappa
MW:	42 kD (Calculated) 37 kD (Observed)

Recommended Dilution Ratios

WB:	1:1000-5000
IF:	1:200-1000
ELISA:	1:5000-20000

Storage

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

Basic Information

Clonality	Monoclonal
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Immunogen Information

Specificity

TMEM173 (Phospho Ser365) Antibody detects endogenous levels of Mouse TMEM173 protein only when phosphorylated at S365. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):LlsGM

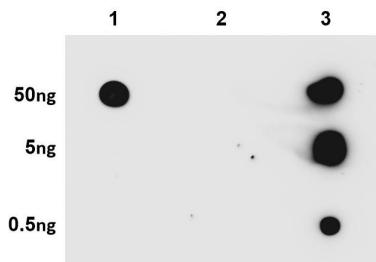
Target Information

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



The membrane was blotted with anti-TMEM173 (Phospho Ser365) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.
 Lane 1: TMEM173 phospho Ser365 peptide
 Lane 2: TMEM173 non-phospho peptide
 Lane 3: Goat anti-Rabbit IgG

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