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# Datasheet for ABIN2783202 anti-STING/TMEM173 antibody (Middle Region)

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#### Overview

Quantity:	100 µL
Target:	STING/TMEM173 (TMEM173)
Binding Specificity:	Middle Region
Reactivity:	Human, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STING/TMEM173 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TMEM173
Sequence:	DPNIRFLDKL PQQTGDHAGI KDRVYSNSIY ELLENGQRAG TCVLEYATPL
Predicted Reactivity:	Human: 100%, Pig: 83%
Characteristics:	This is a rabbit polyclonal antibody against TMEM173. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	

Target:	STING/TMEM173 (TMEM173)
Alternative Name:	TMEM173 (TMEM173 Products)

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## Target Details

Background:	TMEM173 acts as a facilitator of innate immune signaling. It is able to activate both NF-kappa-
	B and IRF3 transcription pathways to induce expression of type I interferon (IFN-alpha and IFN-
I	beta) and exert a potent anti-viral state following expression. TMEM173 may be involved in
t	translocon function, the translocon possibly being able to influence the induction of type I
i	interferons.It also may be involved in transduction of apoptotic signals via its association with
1	the major histocompatibility complex class II (MHC-II). TMEM173 mediates death signaling via
;	activation of the extracellular signal-regulated kinase (ERK) pathway.
,	Alias Symbols: FLJ38577, ERIS, MITA, MPYS, NET23, STING
I	Protein Interaction Partner: MAVS, TBK1, UBC, TRAF3, IRF3, TOMM70A, TSPAN6, TRIM32,
2	STT3B, TMEM259, YIPF5, HM13, CLPTM1L, MBOAT7, CCDC47, SEC61A1, CNNM3, LTN1,
2	SLC39A14, GLMN, SGPL1, SURF4, RNF5, ABCC1, STT3A, IRAK1, ACSL3, DDOST, NPC1,
	TMEM173, TRIM56,
I	Protein Size: 379
Molecular Weight:	42 kDa
Gene ID:	340061
NCBI Accession:	NM_198282, NP_938023
UniProt:	Q86WV6
Pathways:	Activation of Innate immune Response

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 379 AA
Restrictions:	For Research Use only

## Handling

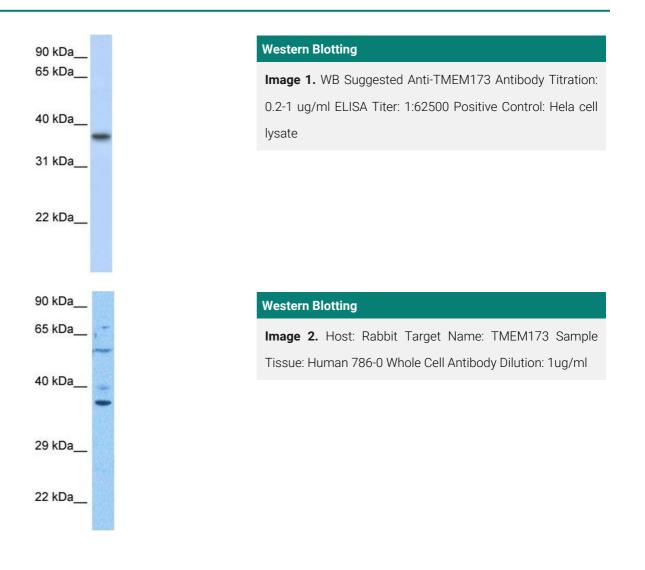
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Publications	
Product cited in:	Podbielski, Rodriguez, Zhu, Worley, Fontaine, Connolly: "Aortoesophageal fistula secondary to
	reflux esophagitis." in: <b>Digestive surgery</b> , Vol. 24, Issue 1, pp. 66-7, (2007) (PubMed).

#### Images



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