

Rabbit TMEM43 Polyclonal Antibody | anti-TMEM43 antibody

TMEM43 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283778	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

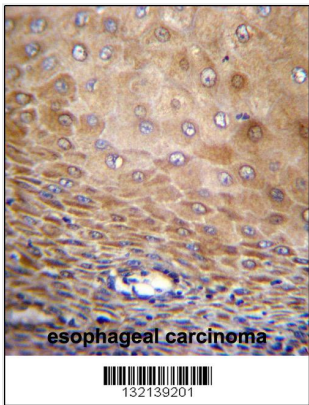
PRODUCT SYNONYMS

TMEM43; Polyclonal Antibody; TMEM43 Antibody (Center); Transmembrane protein 43; Protein LUMA; anti-TMEM43 antibody

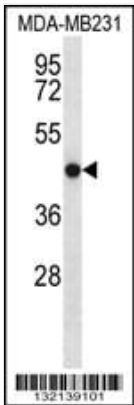
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TMEM43 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 195-223 amino acids from the Central region of human TMEM43.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	195-223
Sequence Length	400
Applicable Applications for anti-TMEM43 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
TMEM43 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human esophageal carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TMEM43 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
TMEM43 Antibody (Center) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the TMEM43 antibody detected the TMEM43 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TMEM43 antibody	This gene belongs to the TMEM43 family. Defects in this gene are the cause of familial arrhythmogenic right ventricular dysplasia type 5 (ARVD5), also known as arrhythmogenic right ventricular cardiomyopathy type 5 (ARVC5). Arrhythmogenic right ventricular dysplasia is an inherited disorder, often involving both ventricles, and is characterized by ventricular tachycardia, heart failure, sudden cardiac death, and fibrofatty replacement of cardiomyocytes. This gene contains a response element for PPAR gamma (an adipogenic transcription factor), which may explain the fibrofatty replacement of the myocardium, a characteristic pathological finding in ARVC.
Product Categories/Family for anti-TMEM43 antibody	Signal Transduction
References	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Barahona-Dussault, C., et al. Clin. Genet. 77(1):37-48(2010) Hodgkinson, K., et al. Genet. Med. 11(12):859-865(2009) Merner, N.D., et al. Am. J. Hum. Genet. 82(4):809-821(2008) Bengtsson, L., et al. J. Cell. Sci. 121 (PT 4), 536-548 (2008) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	13236587
NCBI GeneID	79188
NCBI Accession #	NP_077310.1
NCBI GenBank Nucleotide #	NM_024334.2
UniProt Accession #	Q9BTV4; Q7L4N5; Q8NC30; Q96A63; Q96F19; Q96JX0; Q9H076
Molecular Weight	44876
NCBI Official Full Name	transmembrane protein 43
NCBI Official Synonym Full Names	transmembrane protein 43
NCBI Official Symbol	TMEM43

NCBI Official Synonym Symbols	LUMA; ARVC5; ARVD5; EDMD7
NCBI Protein Information	transmembrane protein 43
UniProt Protein Name	Transmembrane protein 43
UniProt Gene Name	TMEM43
UniProt Entry Name	TMM43_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/tmem43-antibody-immunohistochemistry-western-blot-elisa/283778>