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Datasheet for ABIN656549  
**anti-TMEM43 antibody (AA 195-223)**

2 Images

Overview

Quantity:	400 µL
Target:	TMEM43
Binding Specificity:	AA 195-223
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TMEM43 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB32139
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TMEM43
Alternative Name:	TMEM43 ( <a href="#">TMEM43 Products</a> )

## Target Details

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**Background:** 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.

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**Molecular Weight:** 44876

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**Gene ID:** 79188

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**NCBI Accession:** [NP\\_077310](#)

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**UniProt:** [Q9BTV4](#)

## Application Details

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**Application Notes:** WB: 1:1000. IHC-P: 1:10~50

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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**Preservative:** Sodium azide

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**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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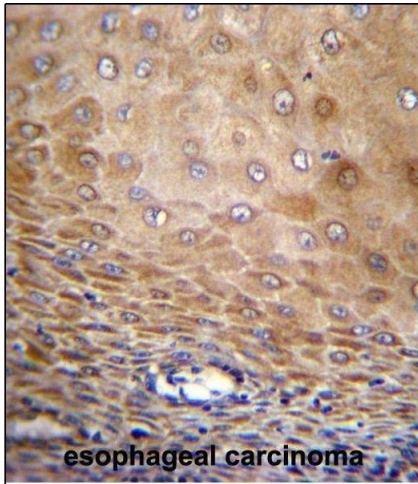
**Storage:** 4 °C,-20 °C

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**Storage Comment:** TMEM43 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

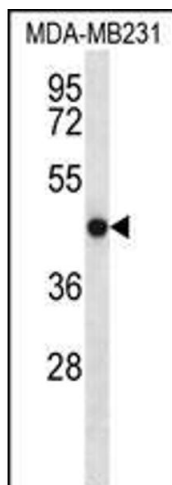
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**Expiry Date:** 6 months



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** TMEM43 Antibody (Center) (ABIN656549 and ABIN2845811) 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.



### Western Blotting

**Image 2.** TMEM43 Antibody (Center) (ABIN656549 and ABIN2845811) western blot analysis in MDA-M cell line lysates (35 µg/lane). This demonstrates the TMEM43 antibody detected the TMEM43 protein (arrow).