

For Research Use Only

# TMEM43 Polyclonal antibody

Catalog Number: 16362-1-AP



## Basic Information

<b>Catalog Number:</b> 16362-1-AP	<b>GenBank Accession Number:</b> BC008054	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79188	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BTV4	
<b>Isotype:</b> IgG	<b>Full Name:</b> transmembrane protein 43	
<b>Immunogen Catalog Number:</b> AG8522	<b>Calculated MW:</b> 400 aa, 45 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : mouse heart tissue,
<b>Species Specificity:</b> human, mouse, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Transmembrane protein 43 (TMEM43), a member of the TMEM subfamily, is encoded by a highly conserved gene and is widely expressed in most species, ranging from bacteria to humans. The TMEM43 S358L mutation on chromosome 3p25 is an important cause of arrhythmogenic right ventricular cardiomyopathy (ARVC) as it enhances the NF- $\kappa$ B-TGF $\beta$  signal cascade, which can lead to aggressive disease at the early stage, and might later develop into heart disease. (PMID: 35260078)

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

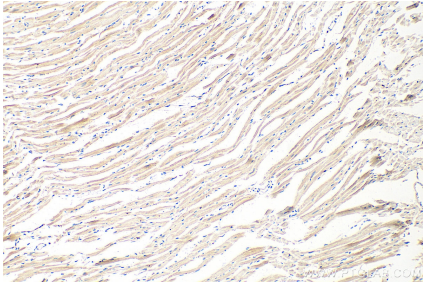
\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

---

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 16362-1-AP (TMEM43 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).