




Product datasheet

Anti-TIMM9 antibody ab224320

2 Images

Overview

<b>Product name</b>	Anti-TIMM9 antibody
<b>Description</b>	Rabbit polyclonal to TIMM9
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Cow, Xenopus laevis 
<b>Immunogen</b>	Recombinant full length protein corresponding to Human TIMM9 aa 2-89. Sequence: AAQIPESDQIKQFKEFLGTYNKL TETCF LDCVKDFTTRE VKPEETTCSEH CLQKYLKMTQRISMRFQEYHIQQNEALAAKAGLLGQPR  Database link: <a href="#">Q9Y5J7</a>   <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	IHC-P: Human stomach tissue. ICC/IF: U-251 MG cells.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol, PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab224320** in the following tested applications.

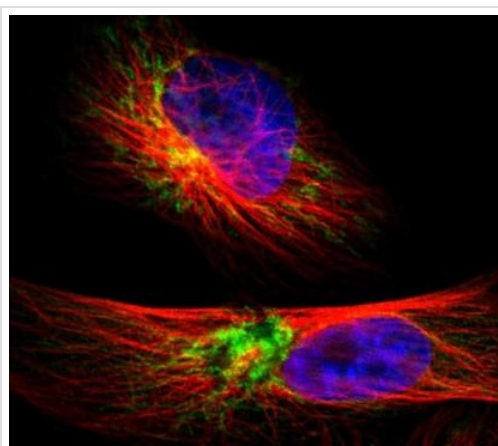
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 1 - 4 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

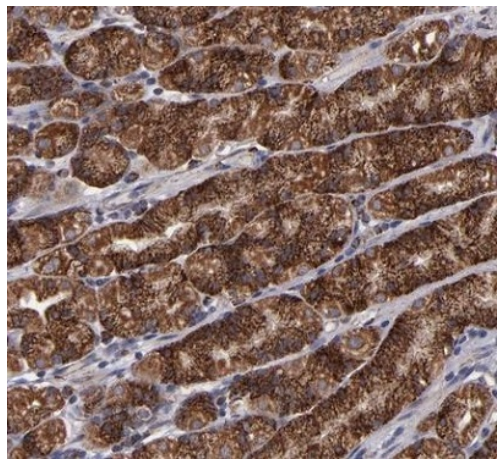
<b>Function</b>	Mitochondrial intermembrane chaperone that participates in the import and insertion of multi-pass transmembrane proteins into the mitochondrial inner membrane. May also be required for the transfer of beta-barrel precursors from the TOM complex to the sorting and assembly machinery (SAM complex) of the outer membrane. Acts as a chaperone-like protein that protects the hydrophobic precursors from aggregation and guide them through the mitochondrial intermembrane space.
<b>Tissue specificity</b>	Ubiquitous, with highest expression in heart, kidney, liver and skeletal muscle.
<b>Sequence similarities</b>	Belongs to the small Tim family.
<b>Domain</b>	The twin CX3C motif contains 4 conserved Cys residues that form 2 disulfide bonds in the mitochondrial intermembrane space. However, during the transit of TIMM9 from cytoplasm into mitochondrion, the Cys residues probably coordinate zinc, thereby preventing folding and allowing its transfer across mitochondrial outer membrane.
<b>Cellular localization</b>	Mitochondrion inner membrane.

## Images



PFA-fixed/Triton X-100 permeabilized U-251 MG (human brain glioma cell line) cells stained for TIMM9 (green) using ab224320 at 4 µg/ml in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-TIMM9 antibody (ab224320)



Paraffin-embedded human stomach tissue stained for TIMM9 using ab224320 at 1/50 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TIMM9 antibody (ab224320)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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