


Product datasheet

Anti-TMED4 antibody ab153814

3 Images

Overview

Product name	Anti-TMED4 antibody
Description	Rabbit polyclonal to TMED4
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Cow, Xenopus laevis, Zebrafish, Xenopus tropicalis 
Immunogen	Recombinant fragment corresponding to a region within amino acids 1-227 of Human TMED4.
Positive control	A549, HeLa, HepG2 and HCT116 cell lysates; HeLa cells, Human lung SCC tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab153814 in the following tested applications.

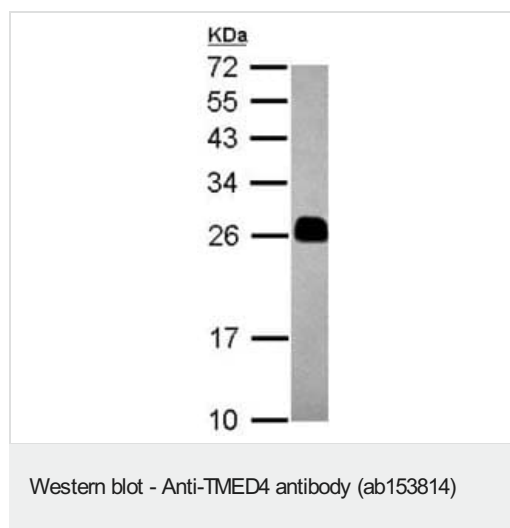
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 26 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol using 10mM Citrate buffer (pH6.0) or Tris-EDTA buffer (pH8.0).
ICC/IF		1/100 - 1/1000.

Target

Function	Involved in vesicular protein trafficking, mainly in the early secretory pathway. targeting. Involved in the maintenance of the Golgi apparatus. Appears to play a role in the biosynthesis of secreted cargo including processing. Involved in endoplasmic reticulum stress response. May play a role in the regulation of heat-shock response and apoptosis.
Sequence similarities	Belongs to the EMP24/GP25L family. Contains 1 GOLD domain.
Cellular localization	Endoplasmic reticulum membrane.

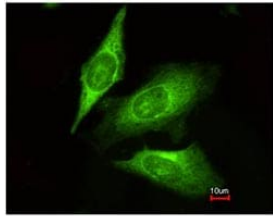
Images



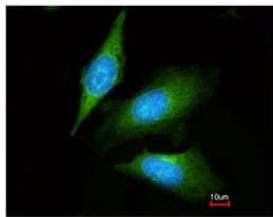
Anti-TMED4 antibody (ab153814) at 1/1000 dilution + HepG2 whole cell lysate at 30 µg

Predicted band size: 26 kDa

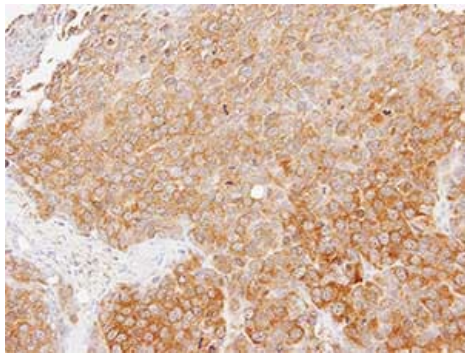
12% SDS PAGE



Immunofluorescent analysis of methanol-fixed HeLa cells labeling TMED4 with ab153814 at 1/200 dilution. Lower panel co-stained with Hoechst 33342.



Immunocytochemistry/ Immunofluorescence - Anti-TMED4 antibody (ab153814)



Immunohistochemical analysis of paraffin-embedded Human lung SCC tissue labeling TMED4 with ab153814 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TMED4 antibody (ab153814)

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

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