

Product datasheet

Anti-TMUB1 antibody [EPR14066] ab180586

Recombinant **RabMAb**

[1 References](#) [4 Images](#)

Overview

Product name	Anti-TMUB1 antibody [EPR14066]
Description	Rabbit monoclonal [EPR14066] to TMUB1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF, Flow Cyt
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment within Human TMUB1 aa 50-200. The exact sequence is proprietary. Database link: Q9BVT8
Positive control	Human fetal liver tissue lysate, Human cerebellum tissue lysate, HeLa cells, HepG2 cells, Human liver tissue.

General notes

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Tissue culture supernatant

Clonality	Monoclonal
Clone number	EPR14066
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab180586** in the following tested applications.

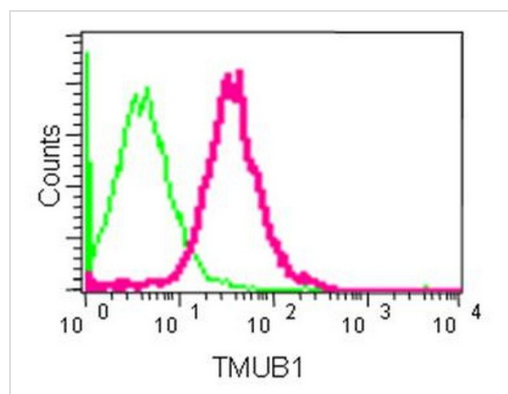
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/10000 - 1/50000. Detects a band of approximately 24, 27 kDa (predicted molecular weight: 26 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/500.
Flow Cyt		1/70. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Target

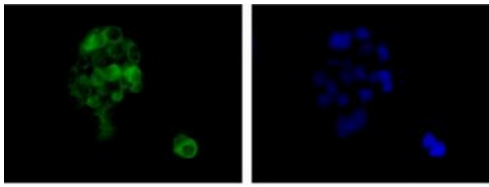
Function	May contribute to the regulation of translation during cell-cycle progression. May contribute to the regulation of cell proliferation.
Sequence similarities	Contains 1 ubiquitin-like domain.
Cellular localization	Membrane. Cytoplasm. Nucleus. Predominantly nuclear during growth arrest (By similarity). Actively exported from the nucleus in dividing cells.

Images



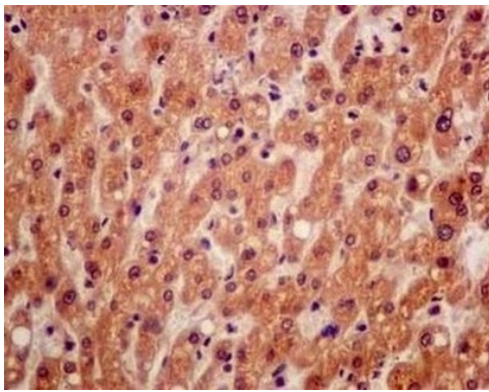
Flow cytometric analysis of 2% paraformaldehyde fixed HeLa cells labeling TMUB1 with ab180586 at 1/70 (pink). Control shown in green.

Flow Cytometry - Anti-TMUB1 antibody [EPR14066]
(ab180586)



Immunocytochemistry/ Immunofluorescence - Anti-TMUB1 antibody [EPR14066] (ab180586)

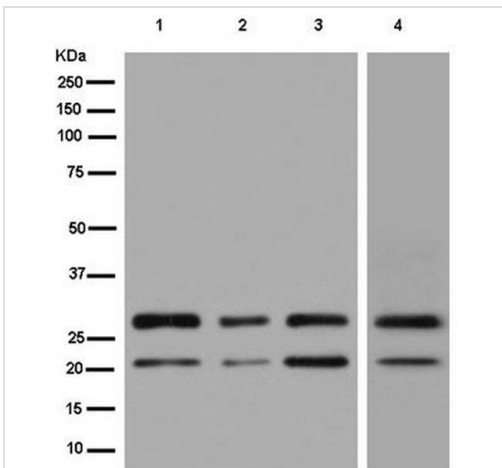
Immunofluorescent analysis of 4% paraformaldehyde fixed HepG2 cells labeling TMUB1 with ab180586 at 1/500 (green). Dapi staining shown in blue.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TMUB1 antibody [EPR14066] (ab180586)

Immunohistochemical analysis of paraffin embedded Human liver tissue labeling TMUB1 with ab180586 at 1/100.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Western blot - Anti-TMUB1 antibody [EPR14066] (ab180586)

All lanes : Anti-TMUB1 antibody [EPR14066] (ab180586) at 1/50000 dilution

Lane 1 : Human fetal liver tissue lysate at 20 µg

Lane 2 : Human cerebellum tissue lysate at 20 µg

Lane 3 : HepG2 cell line lysate lysate at 20 µg

Lane 4 : HeLa cell line lysate at 10 µg

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 26 kDa

Observed band size: 27 kDa

[why is the actual band size different from the predicted?](#)

Additional bands at: 24 kDa (possible cleavage fragment)

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