

Product datasheet

Anti-TACC3 antibody [EPR7756] ab134154

KO VALIDATED Recombinant RabMAb

[19 References](#) [11 Images](#)

Overview

Product name	Anti-TACC3 antibody [EPR7756]
Description	Rabbit monoclonal [EPR7756] to TACC3
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human TACC3 aa 50-150. The exact sequence is proprietary. Database link: Q9Y6A5
Positive control	WB: Human lymph node tissue lysate. Mouse and rat testis tissue lysate. HEK293T, HCT116, HT-29 and HeLa whole cell lysate (ab150035). IHC-P: Human testis and tonsil tissues. ICC/IF: HeLa cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- 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. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7756

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab134154 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		1/1000 - 1/10000. Predicted molecular weight: 90 kDa.
IHC-P		1/100 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols</u> . For unpurified use at 1/50 - 1/100.
ICC/IF		1/200 - 1/400. For unpurified use at 1/50 - 1/100.

Target

Function

Plays a role in the microtubule-dependent coupling of the nucleus and the centrosome. Involved in the processes that regulate centrosome-mediated interkinetic nuclear migration (INM) of neural progenitors (By similarity). May be involved in the control of cell growth and differentiation. May contribute to cancer.

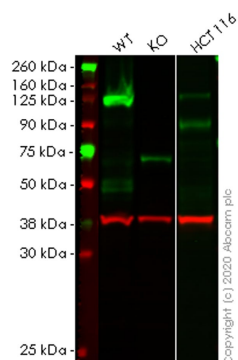
Sequence similarities

Belongs to the TACC family.

Cellular localization

Cytoplasm.

Images



Western blot - Anti-TACC3 antibody [EPR7756] (ab134154)

All lanes : Anti-TACC3 antibody [EPR7756] (ab134154) at 1/1000 dilution

Lane 1 : Wild-type HEK293T cell lysate

Lane 2 : TACC3 knockout HEK293T cell lysate

Lane 3 : HCT116 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

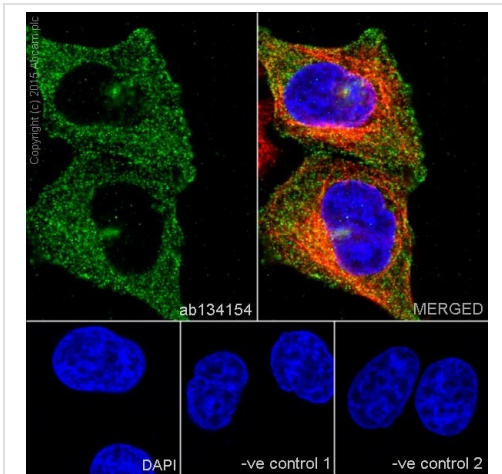
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 90 kDa

Observed band size: 125 kDa

Lanes 1-3: Merged signal (red and green). Green - ab134154 observed at 125 kDa. Red - loading control **ab8245** observed at 36 kDa.

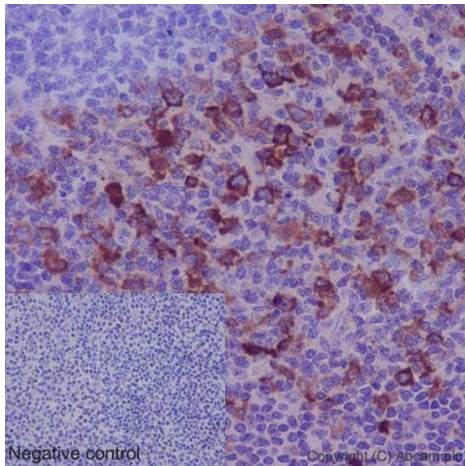
ab134154 Anti-TACC3 antibody [EPR7756] was shown to specifically react with TACC3 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line **ab266316** (knockout cell lysate **ab257723**) was used. Wild-type and TACC3 knockout samples were subjected to SDS-PAGE. ab134154 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling TACC3 with purified ab134154 at 1/200. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. An Alexa Fluor® 555-conjugated goat anti-rabbit IgG (1/500) was used as the secondary antibody. DAPI (blue) was used as the nuclear counterstain.

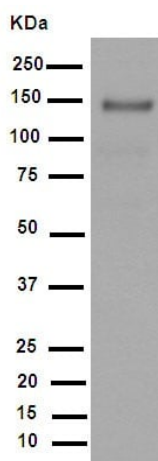
Control: primary antibody (1/200) and secondary antibody, **ab150113**, an Alexa Fluor® 488-conjugated goat anti-mouse IgG (1/500).

Immunocytochemistry/ Immunofluorescence - Anti-TACC3 antibody [EPR7756] (ab134154)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TACC3 antibody [EPR7756] (ab134154)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling TACC3 with purified ab134154 at 1/100. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A prediluted HRP-polymer conjugated anti-rabbit IgG was used as the secondary antibody. Negative control using PBS instead of primary antibody. Counterstained with Hematoxylin.



Western blot - Anti-TACC3 antibody [EPR7756] (ab134154)

Anti-TACC3 antibody [EPR7756] (ab134154) at 1/2000 dilution (purified) + HeLa cell lysate at 20 µg

Secondary

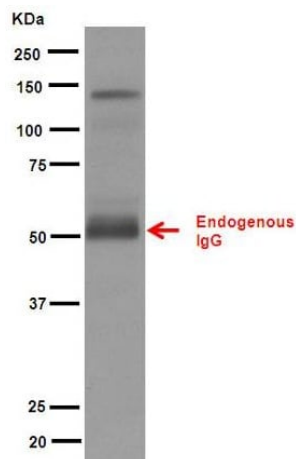
Peroxidase-conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 90 kDa

Observed band size: 140 kDa

Blocking buffer and concentration: 5% NFD/MTBST.

Diluting buffer and concentration: 5% NFD/MTBST.



Western blot - Anti-TACC3 antibody [EPR7756]
(ab134154)

Anti-TACC3 antibody [EPR7756] (ab134154) at 1/10000 dilution
(purified) + Human lymph node tissue lysate at 10 µg

Secondary

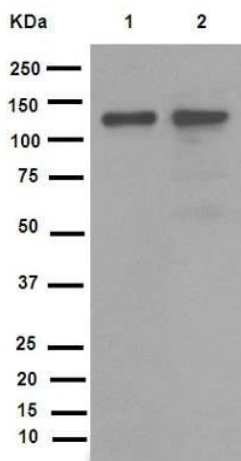
Peroxidase-conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 90 kDa

Observed band size: 140 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Western blot - Anti-TACC3 antibody [EPR7756]
(ab134154)

All lanes : Anti-TACC3 antibody [EPR7756] (ab134154) at
1/10000 dilution (purified)

Lane 1 : Mouse testis tissue lysate

Lane 2 : Rat testis tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

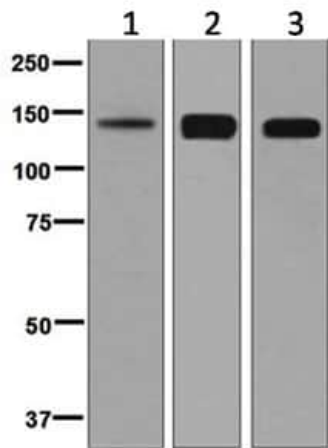
All lanes : Peroxidase-conjugated goat anti-rabbit IgG (H+L) at
1/1000 dilution

Predicted band size: 90 kDa

Observed band size: 140 kDa

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Western blot - Anti-TACC3 antibody [EPR7756] (ab134154)

All lanes : Anti-TACC3 antibody [EPR7756] (ab134154) at 1/1000 dilution (unpurified)

Lane 1 : Human lymph node tissue lysate

Lane 2 : HT-29 cell lysate

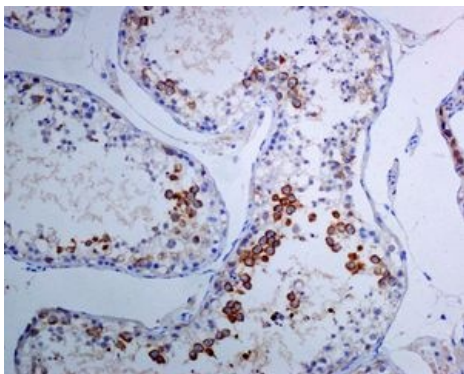
Lane 3 : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP-conjugated goat anti-rabbit IgG at 1/2000 dilution

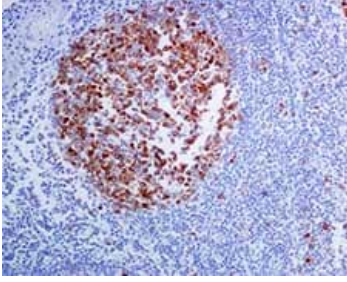
Predicted band size: 90 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TACC3 antibody [EPR7756] (ab134154)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human testis tissue labelling TACC3 with unpurified ab134154 at 1/50 dilution.

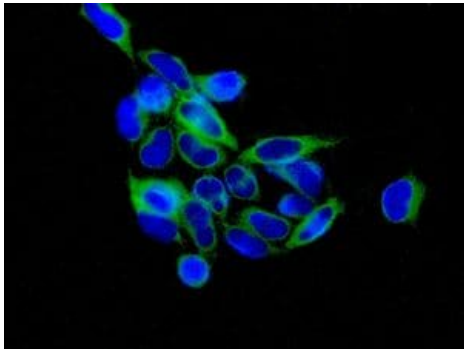
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TACC3 antibody [EPR7756] (ab134154)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling TACC3 with unpurified ab134154 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-TACC3 antibody [EPR7756] (ab134154)

Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling TACC3 with unpurified ab134154 at 1/50 dilution.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-TACC3 antibody [EPR7756] (ab134154)

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