abcam

Product datasheet

Anti-TACC3 antibody [EPR7756] - BSA and Azide free ab224525

KO VALIDATED Recombinant RabMAb

7 Images

Overview

Product name	Anti-TACC3 antibody [EPR7756] - BSA and Azide free
Description	Rabbit monoclonal [EPR7756] to TACC3 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, ICC/IF, WB
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HEK293T and HCT116 cell lysates. ICC/IF: HeLa cells. IHC-P: Human tonsil and testis tissues.
General notes	ab224525 is the carrier-free version of **ab134154**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. 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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7756
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab224525 in the following tested applications.

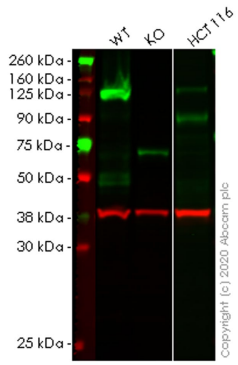
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. See **IHC antigen retrieval protocols**.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 90 kDa.

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] - BSA and Azide free (ab224525)

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.

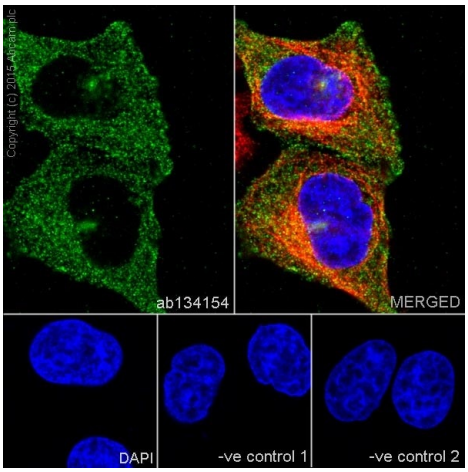
Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 90 kDa
Observed band size: 125 kDa

This data was developed using the same antibody clone in a different buffer formulation (**ab134154**).

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.

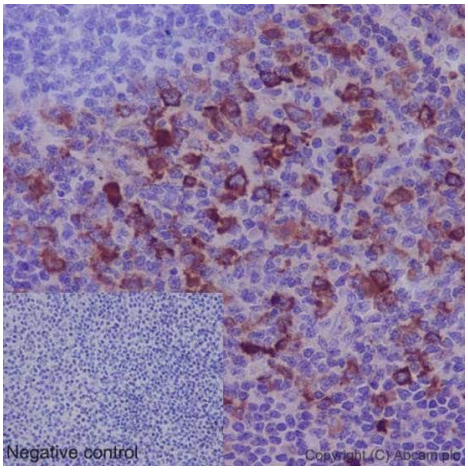


Immunocytochemistry/ Immunofluorescence - Anti-TACC3 antibody [EPR7756] - BSA and Azide free (ab224525)

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).

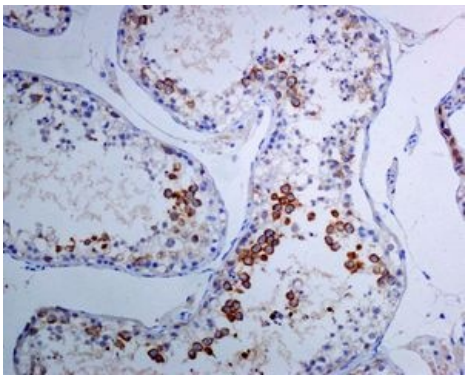
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134154**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TACC3 antibody [EPR7756] - BSA and Azide free (ab224525)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134154**).

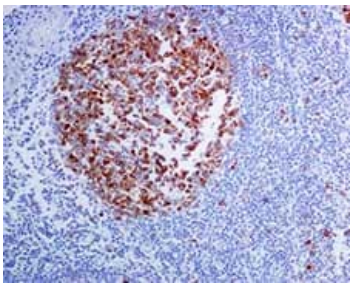


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TACC3 antibody [EPR7756] - BSA and Azide free (ab224525)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134154**).

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

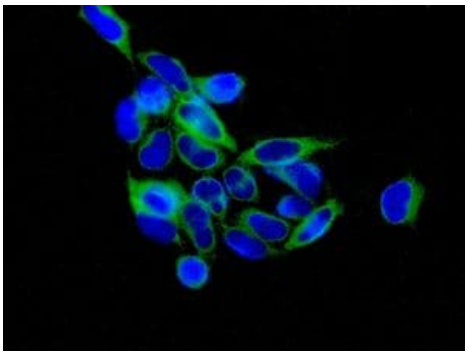


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TACC3 antibody [EPR7756] - BSA and Azide free (ab224525)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134154**).

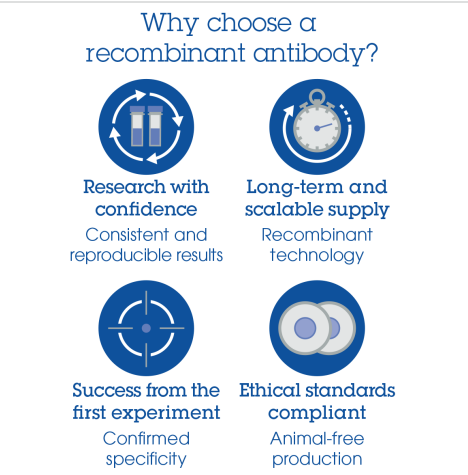
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-TACC3 antibody [EPR7756] - BSA and Azide free (ab224525)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134154**).



Anti-TACC3 antibody [EPR7756] - BSA and Azide free (ab224525)

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