




Product datasheet

Anti-TGIF antibody ab220965

2 Images

Overview

Product name	Anti-TGIF antibody
Description	Rabbit polyclonal to TGIF
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee 
Immunogen	<p>Recombinant fragment corresponding to Human TGIF aa 294-358. Numbering is from isoform 1; the sequence also occurs in isoforms 2, 3 and 4.</p> <p>Sequence:</p> <p>SVLARPSVICHTTVTALKDVPFSLCQSVGVGQNTDIQQIAA KNFTDTSLM YPEDTCKSGPSTNTQ</p> <p>Database link: Q15583</p> <p style="text-align: right;"> Run BLAST with  Run BLAST with</p>
Positive control	RT4 cell line; A549 cells
General notes	<p>Gently mix before use. Optimal concentrations and conditions for each application should be determined by the user.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p>

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

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: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab220965** in the following tested applications.

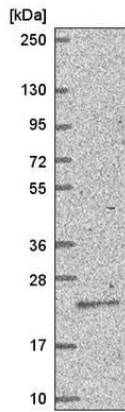
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 43 kDa.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.

Target

Function	Binds to a retinoid X receptor (RXR) responsive element from the cellular retinol-binding protein II promoter (CRBP II-RXRE). Inhibits the 9-cis-retinoic acid-dependent RXR alpha transcription activation of the retinoic acid responsive element. Active transcriptional corepressor of SMAD2. Links the nodal signaling pathway to the bifurcation of the forebrain and the establishment of ventral midline structures. May participate in the transmission of nuclear signals during development and in the adult, as illustrated by the down-modulation of the RXR alpha activities.
Involvement in disease	Holoprosencephaly 4
Sequence similarities	Belongs to the TALE/TGIF homeobox family. Contains 1 homeobox DNA-binding domain.
Cellular localization	Nucleus.

Images

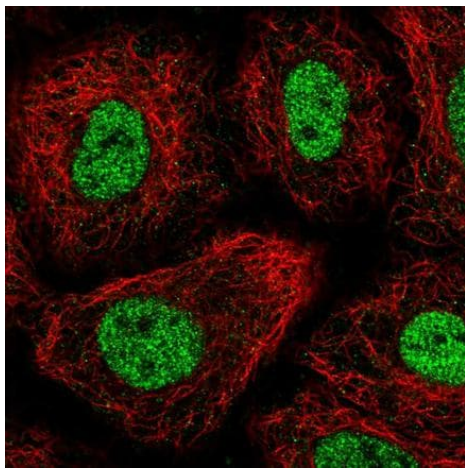


Western blot - Anti-TGIF antibody (ab220965)

Anti-TGIF antibody (ab220965) at 1/100 dilution + RT4 cell extract

Developed using the ECL technique.

Predicted band size: 43 kDa



Immunocytochemistry/ Immunofluorescence - Anti-TGIF antibody (ab220965)

Immunofluorescent analysis of PFA-fixed, Triton X-100

permeabilized A549 cells labeling TGIF with ab220965 at 4 µg/ml.

Antibody staining is shown in green.

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

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