


Product datasheet

Anti-TCEA1 antibody [EPR14820(B)] ab184181

Recombinant RabMAb

6 Images

Overview

Product name	Anti-TCEA1 antibody [EPR14820(B)]
Description	Rabbit monoclonal [EPR14820(B)] to TCEA1
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IP, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	K562, HeLa, and SP2/0 cell lysate. Human lung adenocarcinoma and colon tissue. HeLa cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR14820(B)
Isotype	IgG

Applications

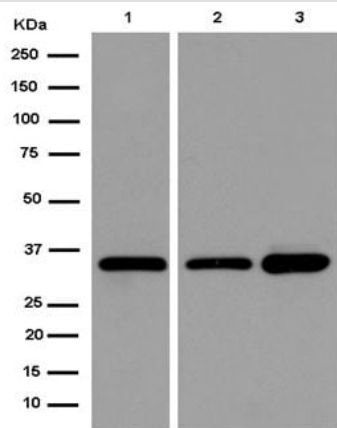
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab184181 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 34 kDa (predicted molecular weight: 34 kDa).
ICC/IF		1/250.
IP		1/40 - 1/60.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Function	Necessary for efficient RNA polymerase II transcription elongation past template-encoded arresting sites. The arresting sites in DNA have the property of trapping a certain fraction of elongating RNA polymerases that pass through, resulting in locked ternary complexes. Cleavage of the nascent transcript by S-II allows the resumption of elongation from the new 3'-terminus.
Involvement in disease	Note=A chromosomal aberration involving TCEA1 may be a cause of salivary gland pleiomorphic adenomas (PA) [181030]. Pleiomorphic adenomas are the most common benign epithelial tumors of the salivary gland. Translocation t(3;8)(p21;q12) with PLAG1.
Sequence similarities	Belongs to the TFS-II family. Contains 1 TFIS central domain. Contains 1 TFIS N-terminal domain. Contains 1 TFIS-type zinc finger.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus.

Images



Western blot - Anti-TCEA1 antibody [EPR14820(B)] (ab184181)

All lanes : Anti-TCEA1 antibody [EPR14820(B)] (ab184181) at 1/10000 dilution

Lane 1 : K562 lysate

Lane 2 : HeLa lysate

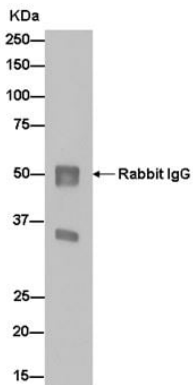
Lane 3 : SP2/0 lysate

Lysates/proteins at 20 µg per lane.

Secondary

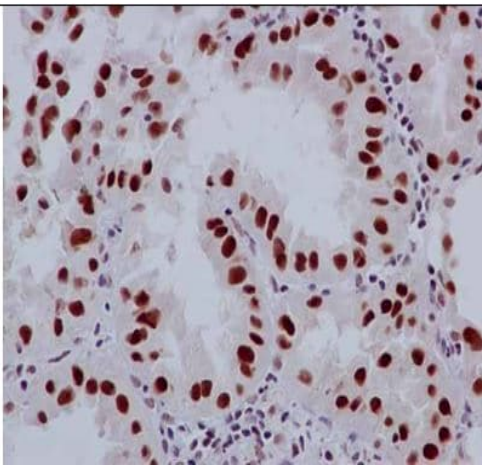
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 34 kDa



Immunoprecipitation - Anti-TCEA1 antibody [EPR14820(B)] (ab184181)

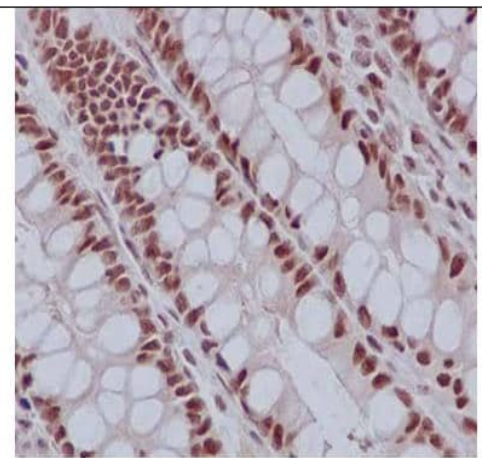
Immunoprecipitation analysis of HeLa cell lysate labeling TCEA1 with ab184181 at 1/50 dilution. Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated used as secondary antibody at 1/1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TCEA1 antibody [EPR14820(B)] (ab184181)

Immunohistochemistry analysis of Human lung adenocarcinoma tissue labeling TCEA1 with ab184181 at 1/100 dilution. Secondary antibody HRP conjugated Rabbit IgG. Counterstained with Hematoxylin.

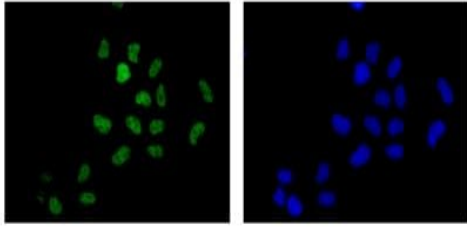
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TCEA1 antibody [EPR14820(B)] (ab184181)

Immunohistochemistry analysis of Human colon tissue labeling TCEA1 with ab184181 at 1/100 dilution. Secondary antibody HRP conjugated Rabbit IgG. Counterstained with Hematoxylin.

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



Immunocytochemistry/ Immunofluorescence - Anti-TCEA1 antibody [EPR14820(B)] (ab184181)

Immunocytochemistry analysis of a HeLa cells labeling TCEA1 with ab184181 at 1/250 dilution. Secondary antibody Goat anti rabbit IgG (Alexa Fluor®488) at a 1/200 dilution. Dapi counterstain shown in blue.

Why choose a recombinant antibody?



Anti-TCEA1 antibody [EPR14820(B)] (ab184181)

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

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