


Product datasheet

Anti-CIITA antibody ab117598

[1 Abreviews](#) [2 References](#) [1 Image](#)

Overview

Product name	Anti-CIITA antibody
Description	Rabbit polyclonal to CIITA
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide from N terminal region of Human CIITA conjugated to KLH
Positive control	Human tonsil tissue
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab117598 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 a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Essential for transcriptional activity of the HLA class II promoter; activation is via the proximal promoter. No DNA binding of in vitro translated CIITA was detected. May act in a coactivator-like fashion through protein-protein interactions by contacting factors binding to the proximal MHC class II promoter, to elements of the transcription machinery, or both. Alternatively it may activate HLA class II transcription by modifying proteins that bind to the MHC class II promoter. Also mediates enhanced MHC class I transcription; the promoter element requirements for CIITA-mediated transcription are distinct from those of constitutive MHC class I transcription, and CIITA can functionally replace TAF1 at these genes. Exhibits intrinsic GTP-stimulated acetyltransferase activity. Exhibits serine/threonine protein kinase activity: can phosphorylate the TFIID component TAF7, the RAP74 subunit of the general transcription factor TFIIF, histone H2B at 'Ser-37' and other histones (in vitro).

Involvement in disease

Bare lymphocyte syndrome 2

Sequence similarities

Contains 4 LRR (leucine-rich) repeats.
Contains 1 NACHT domain.

Domain

The acetyltransferase domain is necessary for activation of both class I and class II transcription. The GTP-binding motif doesn't confer GTPase activity but promotes nuclear localization.

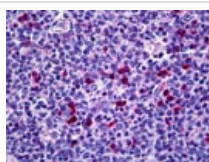
Post-translational modifications

Autophosphorylated, affecting interaction with TAF7.

Cellular localization

Nucleus. Nucleus, PML body. Recruited to PML body by PML.

Images



ab117598, at 5µg/ml, staining CIITA in Human tonsil tissue. The sample was FormalinFixed and Paraffin-Embedded (FFPE).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CIITA antibody (ab117598)

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

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- Response to your inquiry within 24 hours

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