

Rabbit CIITA Polyclonal Antibody | anti-CIITA antibody

Anti-CIITA Antibody

CATALOG # AAA46642	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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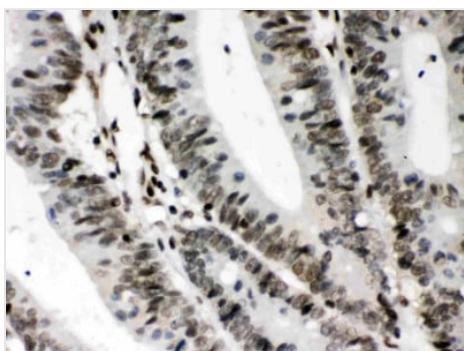
PRODUCT SYNONYMS

CIITA; Polyclonal Antibody; Anti-CIITA Antibody; C2TA; CIITA IV; MHC2TA; NLRA; P33076; MHC class II transactivator; class II; major histocompatibility complex; transactivator; anti-CIITA antibody

PRODUCT SPECIFICATIONS

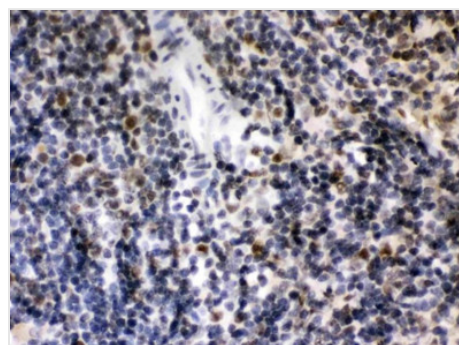
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	1130
Applicable Applications for anti-CIITA antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human CIITA recombinant protein (Position: E945-R1130). Human CIITA shares 84.4% amino acid (aa) sequence identity with mouse CIITA.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



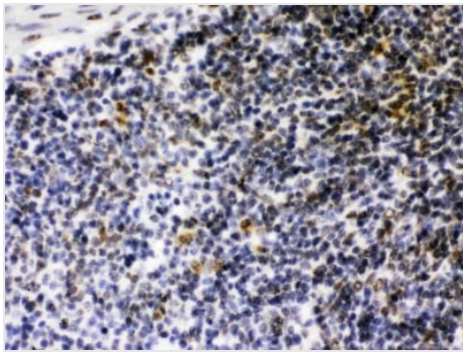
IHC (Immunohistochemistry)

CIITA was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- CIITA Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



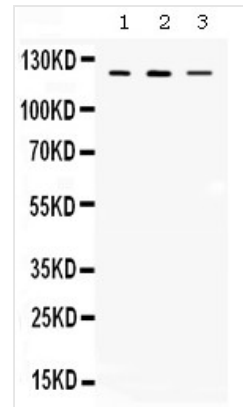
IHC (Immunohistochemisry)

CIITA was detected in paraffin-embedded sections of rat spleen tissues using rabbit anti-CIITA Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)

CIITA was detected in paraffin-embedded sections of mouse spleen tissues using rabbit anti-CIITA Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of CIITA expression in rat thymus extract (lane 1), mouse thymus extract (lane 2) and MCF-7 whole cell lysates (lane 3). CIITA at 123KD was detected using rabbit anti- CIITA Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-CIITA antibody	Rabbit IgG polyclonal antibody for MHC class II transactivator (CIITA) detection. Background: CIITA is a human gene which is mapped to 16p13. This gene encodes a protein with an acidic transcriptional activation domain, 4 LRRs (leucine-rich repeats) and a GTP binding domain. The protein is located in the nucleus and acts as a positive regulator of class II major histocompatibility complex gene transcription, and is referred to as the "master control factor" for the expression of these genes. Also, the protein binds GTP and uses GTP binding to facilitate its own transport into the nucleus. Once in the nucleus it does not bind DNA but rather uses an intrinsic acetyltransferase (AT) activity to act in a coactivator-like fashion. Mutations in this gene have been associated with bare lymphocyte syndrome type II (also known as hereditary MHC class II deficiency or HLA class II-deficient combined immunodeficiency), increased susceptibility to rheumatoid arthritis, multiple sclerosis, and possibly myocardial infarction. Several transcript variants encoding different isoforms have been found for this gene.
References	1. Raval A, Howcroft TK, Weissman JD, Kirshner S, Zhu XS, Yokoyama K, Ting J, Singer DS (Jan 2001). "Transcriptional coactivator, CIITA, is an acetyltransferase that bypasses a promoter requirement for TAF(II)250". <i>Molecular Cell</i> 7 (1): 105-15. 2. Steidl C, Shah SP, Woolcock BW, Rui L, Kawahara M, Farinha P, Johnson NA, Zhao Y, Telenius A, Neriah SB, McPherson A, Meissner B, Okoye UC, Diepstra A, van den Berg A, Sun M, Leung G, Jones SJ, Connors JM, Huntsman DG, Savage KJ, Rimsza LM, Horsman DE, Staudt LM, Steidl U, Marra MA, Gascoyne RD (Mar 2011). "MHC class II transactivator CIITA is a recurrent gene fusion partner in lymphoid cancers". <i>Nature</i> 471 (7338): 377-81.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156938336
NCBI GeneID	4261
NCBI Accession #	NP_000237.2
NCBI GenBank Nucleotide #	NM_000246.3
UniProt Accession #	P33076; Q29675; Q8SNB8; Q96KL4; A0N0N9; D3DUG0; E9PFE0
NCBI Official Full Name	MHC class II transactivator isoform 2
NCBI Official Synonym Full Names	class II, major histocompatibility complex, transactivator
NCBI Official Symbol	CIITA
NCBI Official Synonym Symbols	C2TA; NLRA; MHC2TA; CIITAIV
NCBI Protein Information	MHC class II transactivator
UniProt Protein Name	MHC class II transactivator

UniProt Gene Name	CIITA
UniProt Synonym Gene Names	MHC2TA; CIITA
UniProt Entry Name	C2TA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ciita-antibody-immunohistochemistry-western-blot-elisa/46642>