

Rabbit CIITA Polyclonal Antibody | anti-CIITA antibody

CIITA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323863	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

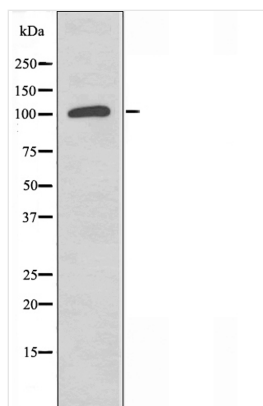
PRODUCT SYNONYMS

CIITA; Polyclonal Antibody; CIITA Antibody; C2TA; C2TA_HUMAN; CIITA IV; Class II major histocompatibility complex transactivator; Class II transactivator; MHC class II transactivator; MHC class II transactivator type III; MHC2TA; NLR family acid domain containing; NLRA; Nucleotide binding oligomerization domain leucine rich repeat and acid domain containing; anti-CIITA antibody

PRODUCT SPECIFICATIONS

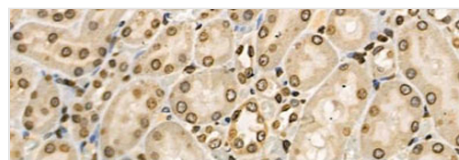
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CIITA antibody detects endogenous levels of total CIITA
Purity/Purification	Peptide Affinity Purification
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	1130
Applicable Applications for anti-CIITA antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CIITA, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from K562 cells, using CIITA antibody.



IHC (Immunohistochemistry)

AAA323863 at 1/100 staining Rat lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.

ADDITIONAL INFORMATION

Related Product Information for anti-CIITA antibody	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). Subunit Structure: Interacts with ZXDA and ZXDC. Interacts with PML (isoform PML-2). Post-translational Modifications: Autophosphorylated, affecting interaction with TAF7. Similarity: 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.
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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
Molecular Weight	123 kDa
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

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-immunocytochemistry-immunofluorescence-western-blot-elisa/323863>