

Rabbit CIITA Polyclonal Antibody | anti-CIITA antibody

CIITA antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198217	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Western Blot

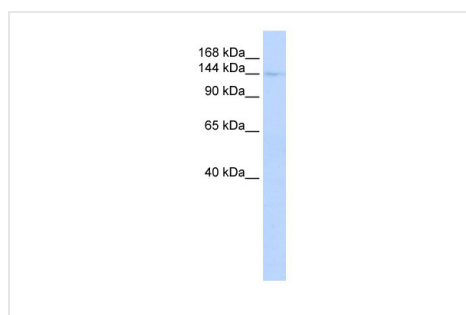
PRODUCT SYNONYMS

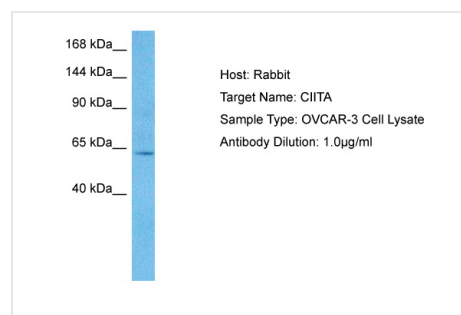
CIITA; Polyclonal Antibody; CIITA antibody - middle region; anti-CIITA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide located within the following region: YN KFTAAGAAQQL AASLRRCPHV ETLAMWTPTI PFSVQEHLQQ QDSRISLR
Sequence Length	1130
Applicable Applications for anti-CIITA antibody	WB (Western Blot)
Homology	Cow: 79%; Dog: 86%; Guinea Pig: 86%; Horse: 93%; Human: 100%; Mouse: 86%; Pig: 100%; Rabbit: 93%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human CIITA
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-CIITA Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Human Liver

WB (Western Blot)

Host: Rabbit
Target Name: CIITA
Sample Tissue: Human OVCAR-3 Whole Cell
Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-CIITA antibody	This is a rabbit polyclonal antibody against CIITA. It was validated on Western Blot using a cell lysate as a positive control. Target Description: CIITA is 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. The protein also 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. 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. The protein also 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. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-CIITA antibody	Polyclonal; Transcription Regulation; Lymphocyte Signaling; Transcription Regulation; Chromatin & Nuclear Signaling; Immunology; Disease Related; DNA/RNA/Protein Interactions; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	156938336
NCBI GeneID	4261
NCBI Accession #	NP_000237
NCBI GenBank Nucleotide #	NM_000246
UniProt Accession #	P33076
Molecular Weight	123kDa
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.