

Anti-CIITA Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 123 kDa.
Purification:	Protein A purified

Applications

Application:	ELISA,ICC/IF,IF,IHC-Fr,IHC-P,WB
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:100-500; IF: 1:100-500; ELISA: 1:5000-10000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human CIITA
Antigen Species:	Human
Gene ID:	4261
Uniprot ID:	P33076
Synonyms:	MHC2TA;CIITA;class II major histocompatibility complex transactivator;Nucleotide binding oligomerization domain leucine rich repeat and acid domain containing;NLRA;NLR family acid domain containing;C2TA;MHC class II transactivator type III;MHC class II transactivator;class II transactivator;CIITA IV
Biology Area:	Other factors,Class II

Research Background

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. [provided by RefSeq, Jul 2008]

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