

## Product datasheet for **TA319682**

### CIITA Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 10 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	CIITA antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of human CIITA.
Formulation:	CIITA Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	CIITA Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	class II, major histocompatibility complex, transactivator
Database Link:	<a href="#">NP_000237</a> <a href="#">Entrez Gene 12265 Mouse</a> <a href="#">Entrez Gene 85483 Rat</a> <a href="#">Entrez Gene 4261 Human</a> <a href="#">P33076</a>



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**Background:**

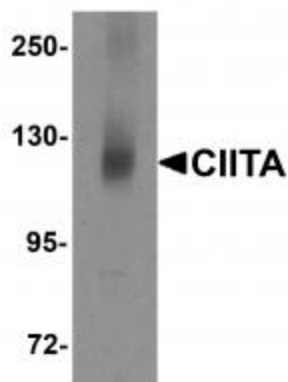
CIITA Antibody: CIITA contains an acidic transcriptional activation domain, four LRRs (leucine-rich repeats) and a GTP binding domain. It is located in the nucleus and acts as a positive regulator of class II major histocompatibility complex gene transcription, and is referred to as the "master control factor" for the expression of these genes. CIITA 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.

**Synonyms:**

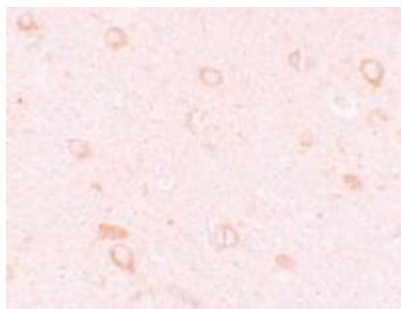
C2TA; CIITAIV; MHC2TA; NLRA

**Protein Pathways:**

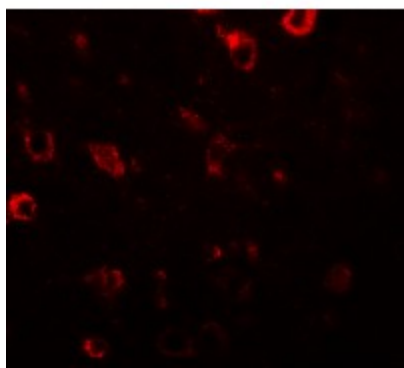
Antigen processing and presentation, Primary immunodeficiency

**Product images:**


Western blot analysis of CIITA in mouse brain tissue lysate with CIITA antibody at 1 ug/mL.



Immunohistochemistry of CIITA in human brain tissue with CIITA antibody at 10 ug/mL.



Immunofluorescence of CIITA in human brain tissue with CIITA antibody at 20 ug/mL.