

## CIITA Antibody

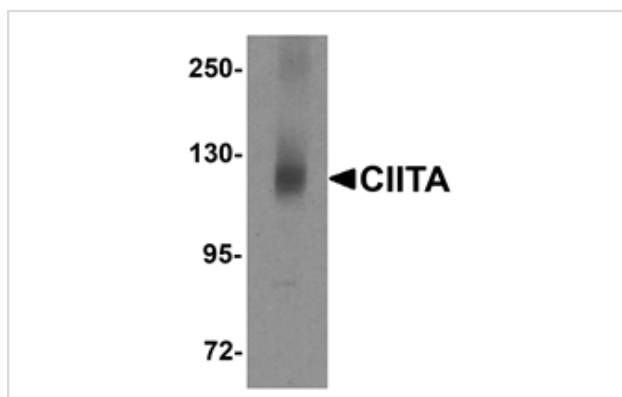
Catalog No: #25190

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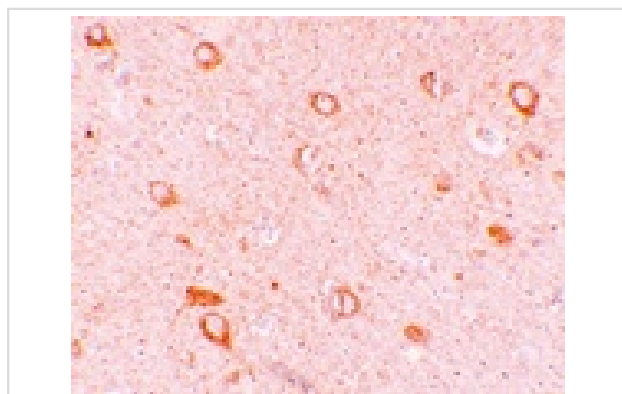
## Description

Product Name	CIITA Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide near the amino terminus of human CIITA.
Target Name	CIITA
Other Names	MHC class II transactivator, MHC2TA, C2TA, NLRA, CIITAIV
Accession No.	P33076
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

## 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.

## Background

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.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.