

Datasheet for ABIN7266403
anti-CIITA antibody (AA 650-750)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	CIITA
Binding Specificity:	AA 650-750
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CIITA antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	CIITA Rabbit pAb
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 650-750 of human CIITA (NP_000237.2).
Sequence:	LDSPPGALAE LAKLAWELGR RHQSTLQEDQ FPSADVRTWA MAKGLVQHPP RAAESELAFP SFLLCQFLGA LWLALSGEIK DKELPQYLAL TPRKKRPYDN W
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

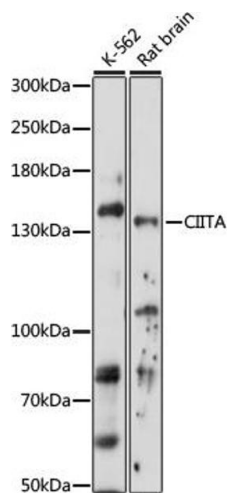
Target:	CIITA
Alternative Name:	CIITA (CIITA Products)
Background:	<p>This gene encodes a protein with an acidic transcriptional activation domain, 4 LRRs (leucine-rich repeats) and a GTP binding domain. The protein is located in the nucleus and acts as a positive regulator of class II major histocompatibility 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. Several transcript variants encoding different isoforms have been found for this gene.,CIITA;C2TA;CIITAIV;MHC2TA;NLRA,Epigenetics & Nuclear Signaling,Immunology & Inflammation,CIITA</p>
Molecular Weight:	59kDa/96kDa/101kDa/123kDa
Gene ID:	4261
UniProt:	P33076
Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using CIITA antibody (ABIN7266403) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.