



CIITA rabbit pAb

Cat No.:ES6242

For research use only

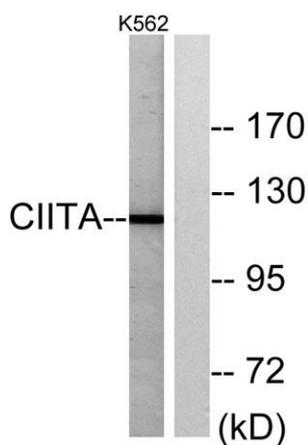
Overview

Product Name	CIITA rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human CIITA. AA range:706-755
Specificity	CIITA Polyclonal Antibody detects endogenous levels of CIITA protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	MHC class II transactivator
Gene Name	CIITA
Cellular localization	Nucleus . Nucleus, PML body . Recruited to PML body by PML.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	123kD
Human Gene ID	4261
Human Swiss-Prot Number	P33076
Alternative Names	CIITA; MHC2TA; MHC class II transactivator; CIITA
Background	class II major histocompatibility complex transactivator(CIITA) Homo sapiens 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

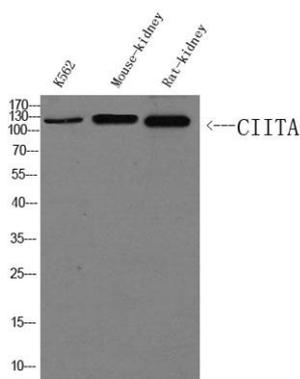




major histocompatibility complex gene transcription, and is referred to as the "master control factor" for the expression of these genes. The protein also binds GTP and uses GTP binding to facilitate its own transport into the nucleus. Once in the nucleus it does not bind DNA but rather uses an intrinsic 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 myocardi



Western blot analysis of lysates from K562 cells, using CIITA Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of K562, Mouse-kidney,Rat-kidney, Primary Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002 was diluted at 1:10000

