

For Research Use Only

# CIITA Polyclonal antibody

Catalog Number: 55099-1-AP

1 Publications



## Basic Information

Catalog Number:

55099-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000246

GeneID (NCBI):

4261

UNIPROT ID:

P33076

Full Name:

class II, major histocompatibility complex, transactivator

Calculated MW:

124 kDa

Observed MW:

120-130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : K-562 cells,

## Background Information

CIITA, also named as MHC2TA, is a 1130 amino acid protein, which interacts with ZXDA and ZXDC. MHC class II molecules are heterodimeric cell surface glycoproteins expressed on B cells, macrophages and dendritic cells, which present antigens to CD4+ T cells. CIITA (class II transactivator) acts as a coactivator for MHC class II-specific gene expression and negatively regulates the IL-4 gene promoter during T cell differentiation. IFN $\gamma$  induces CIITA gene expression via JAK1 and Stat1 pathways. Defects of CIITA and RFX-B have been implicated as causes of Bare Lymphocyte Syndrome (BLS), which is characterized by the absence of MHC class II transcription and severe immunodeficiencies.

## Notable Publications

Author	Pubmed ID	Journal	Application
Bin Ma	37427112	Front Oncol	WB

## Storage

Storage:

Store at -20°C.

Storage Buffer:

0.1M NaHCO<sub>3</sub>, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1%BSA

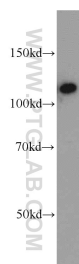
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 55099-1-AP (CIITA antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.