

For Research Use Only

CIITA Polyclonal antibody

Catalog Number: 55099-1-AP **1 Publications**



Basic Information

Catalog Number:

55099-1-AP

Size:

500 µg/ml

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. IFNγ 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 NaHCO₃, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

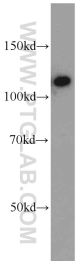
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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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.