

Product datasheet for **AP20521PU-N**

CIITA Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1/500 - 1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of CIITA protein. (region surrounding Thr740)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 123 kDa
Gene Name:	class II, major histocompatibility complex, transactivator
Database Link:	Entrez Gene 12265 Mouse Entrez Gene 85483 Rat Entrez Gene 4261 Human P33076



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Background:

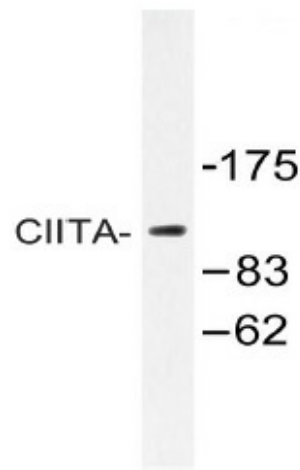
The transactivator CIITA regulates basal and interferon-induced expression of MHC class II genes. CIITA restores expression of all MHC II gene expression in mutant cells and corrects regulatory defects of those genes. Activation is via the proximal promoter. No DNA binding of in vitro translated CIITA was detected. CIITA may act in a coactivator-like fashion through protein-protein interactions by contacting factors binding to the proximal MHC class II promoter, to elements of the transcription machinery, or both. Alternatively it may activate HLA class II transcription by modifying proteins that bind to the MHC class II promoter.

Synonyms:

MHC2TA

Protein Pathways:

Antigen processing and presentation, Primary immunodeficiency

Product images:

Western blot (WB) analysis of CIITA antibody (Cat.-No.: AP20521PU-N) in extracts from K562 cells.