

**DATASHEET**

**CIITA Rabbit Polyclonal Antibody**

CAT. NO. APA11596

**KEY FEATURES**

|               |                                                                                                           |               |                     |
|---------------|-----------------------------------------------------------------------------------------------------------|---------------|---------------------|
| Target        | CIITA                                                                                                     | Source / Host | Rabbit              |
| Reactivity    | Human, Mouse                                                                                              | Clonality     | Polyclonal          |
| Applications  | WB                                                                                                        | Conjugation   | Unconjugated        |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |               | Storage<br>at -20°C |

**BACKGROUND**

Essential for transcriptional activity of the HLA class II promoter; activation is via the proximal promoter . Does not bind DNA . 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 PubMed:8402893, PubMed:7749984, . Alternatively it may activate HLA class II transcription by modifying proteins that bind to the MHC class II promoter . Also mediates enhanced MHC class I transcription; the promoter element requirements for CIITA-mediated transcription are distinct from those of constitutive MHC class I transcription, and CIITA can functionally replace TAF1 at these genes. Activates CD74 transcription .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

|    |                |
|----|----------------|
| WB | 1:500 - 1:1000 |
|----|----------------|

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

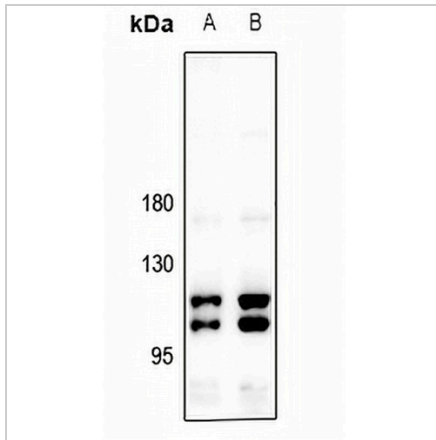
|                   |                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Description       | Rabbit polyclonal antibody to CIITA                                                                                                  |
| Specificity       | Recognizes endogenous levels of CIITA protein.                                                                                       |
| Antibody Type     | Primary antibody                                                                                                                     |
| Immunogen         | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CIITA. The exact sequence is proprietary. |
| Purification      | The antibody was purified by immunogen affinity chromatography.                                                                      |
| Molecular Weight  | Predicted: 123 kD; Observed: 123; 100 kD                                                                                             |
| Form/Buffer       | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                            |
| Alternative Names | MHC2TA; MHC class II transactivator; CIITA                                                                                           |
| Gene Symbol       | CIITA                                                                                                                                |
| Entrez Gene       | 4261(Human); 12265(Mouse)                                                                                                            |
| SwissProt         | P33076(Human); P79621(Mouse)                                                                                                         |

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of CIITA expression in Beas2B (A), Jurkat (B) whole cell lysates. (Predicted band size: 123 kD; Observed band size: 123; 100 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.