

## Product datasheet for **AP31268PU-N**

### CIITA (N-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml. <b>Western Blot:</b> 1 - 2 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated
Specificity:	This antibody reacts to the N-term of CIITA.
Formulation:	PBS containing 0.02% sodium azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	class II, major histocompatibility complex, transactivator
Database Link:	<a href="#">Entrez Gene 12265 Mouse</a> <a href="#">Entrez Gene 85483 Rat</a> <a href="#">Entrez Gene 4261 Human</a> <a href="#">P33076</a>



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**Background:**

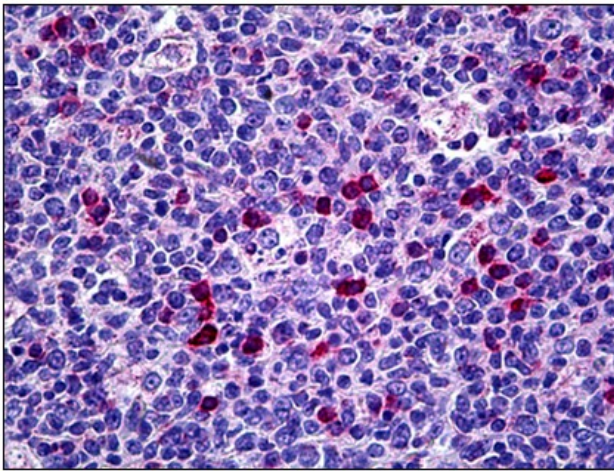
This gene encodes a protein with an acidic transcriptional activation domain, 4 LRRs (leucine-rich repeats) and a GTP binding domain. The protein is located in the nucleus and acts as a positive regulator of class II major histocompatibility complex gene transcription, and is referred to as the "master 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 myocardial infarction.

**Synonyms:**

MHC2TA

**Protein Pathways:**

Antigen processing and presentation, Primary immunodeficiency

**Product images:**


Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)