

## Product datasheet for **TA341750**

### Ciita Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-C2TA antibody: synthetic peptide directed towards the C terminal of mouse C2TA. Synthetic peptide located within the following region: MALWESLQQQGEAQLLQAAEEKFTIEPFKAKSPKDVEDLDRLVQTQRLRN
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	119 kDa
Gene Name:	class II transactivator
Database Link:	<a href="#">NP_031601</a> <a href="#">Entrez Gene 12265 Mouse P79621</a>



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**Background:**

Essential for transcriptional activity of the HLA class II promoter; activation is via the proximal promoter. No DNA binding of in vitro translated CIITA was detected. 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. 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. Exhibits intrinsic GTP-stimulated acetyltransferase activity. Exhibits serine/threonine protein kinase activity: phosphorylates the TFIID component TAF7, the RAP74 subunit of the general transcription factor TFIIF, histone H2B at 'Ser-37' and other histones.

**Synonyms:**

C2TA; CIITAIV; MHC2TA; NLRA

**Note:**

Immunogen Sequence Homology: Dog: 100%; Mouse: 100%; Rat: 93%; Human: 79%

**Product images:**

WB Suggested Anti-C2TA Antibody Titration:  
0.125 ug/ml; ELISA Titer: 1:62500; Positive  
Control: NIH/3T3 cell lysate