# CIITA rabbit pAb

## Cat#: orb769117 (Manual)

For research use only. Not intended for diagnostic use.

| | |
|---|---|
| **Product Name** | CIITA rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | WB;ELISA |
| **Species Cross-Reactivity** | Human;Mouse;Rat |
| **Recommended dilutions** | Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications. |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human CIITA. AA range:706-755 |
| **Specificity** | CIITA Polyclonal Antibody detects endogenous levels of CIITA protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | MHC class II transactivator |
| **Gene Name** | CIITA |
| **Cellular localization** | Nucleus . Nucleus, PML body . Recruited to PML body by PML. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |

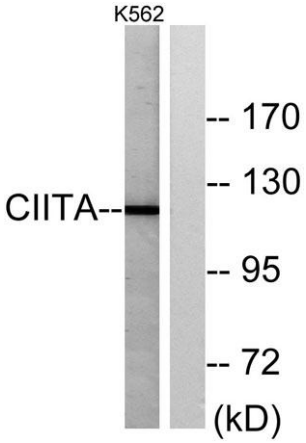
biorbyt
Explore. Bioreagents.

www.biorbyt.com

| | |
|---|---|
| **Concentration** | 1 mg/ml |
| **Observed band** | 123kD |
| **Human Gene ID** | 4261 |
| **Human Swiss-Prot Number** | P33076 |
| **Alternative Names** | CIITA; MHC2TA; MHC class II transactivator; CIITA |

**Background**

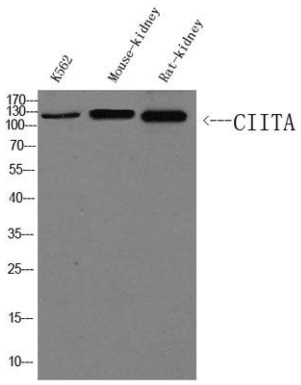
class II major histocompatibility complex transactivator(CIITA) Homo sapiens This gene encodes a protein with an acidic transcriptional activation domain, 4 LRRs (leucine-rich repeats) and a GTP binding domain. The protein is located in the nucleus and acts as a positive regulator of class II major histocompatibility 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 myocardi




**Western blot analysis of lysates from K562 cells, using CIITA Antibody. The lane on the right is blocked with the synthesized peptide.**

Biorbyt Ltd
7 Signet Court, Swann Road, Cambridge, CB5 8LA. United Kingdom
Email: info@biorbyt.com | Phone: +44 (0)1223 859-353 | Fax: +44 (0)1223 280-240

Biorbyt LLC
68 TW Alexander Drive, Durham, NC 27709. United States
Email: info@biorbyt.com | Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558




**Western Blot analysis of K562, Mouse-kidney,Rat-kidney, Primary Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002 was diluted at 1:10000**

Biorbyt Ltd
7 Signet Court, Swann Road, Cambridge, CB5 8LA. United Kingdom
Email: info@biorbyt.com | Phone: +44 (0)1223 859-353 | Fax: +44 (0)1223 280-240

Biorbyt LLC
68 TW Alexander Drive, Durham, NC 27709. United States
Email: info@biorbyt.com | Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558