CIITA Antibody

Catalog No: #33753

Package Size: #33753-1 50ul #33753-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

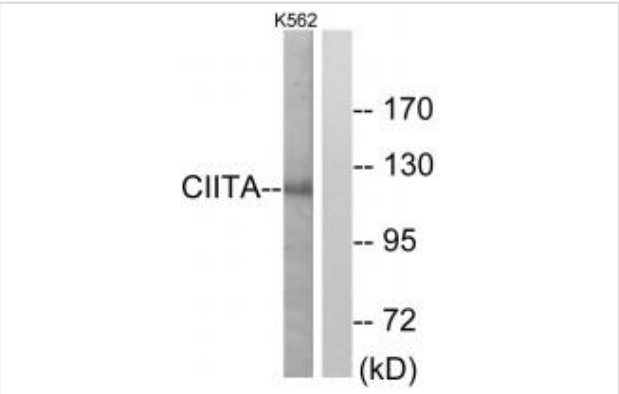
Description

Product Name	CIITA Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total CIITA protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human CIITA.
Target Name	CIITA
Other Names	MHC class II transactivator; CIITA; CIITA; MHC2TA;
Accession No.	Swiss-Prot: P33076NCBI Gene ID: 4261
SDS-PAGE MW	123kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from K562 cells, using CIITA antibody #33753.

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: can phosphorylate the TFIID component TAF7, the RAP74 subunit of the general transcription factor TFIIF, histone H2B at 'Ser-37' and other histones (in vitro).

Steimle V., Cell 75:135-146(1993).
Al-Kandari W., J. Mol. Biol. 369:1175-1187(2007).
Al-Kandari W., Mol. Immunol. 44:311-321(2007).
Croager E.J., Biochim. Biophys. Acta 1353:231-235(1997).