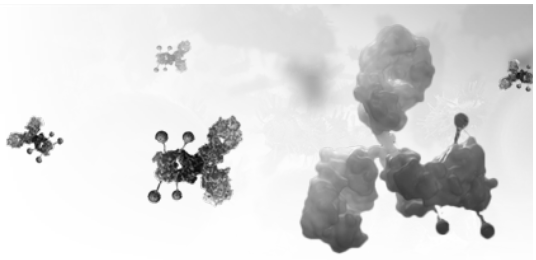

Anti-CIITA (aa 39-148) polyclonal antibody (DPAB-DC1925)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. Several transcript variants encoding different isoforms have been found for this gene.
Immunogen	MHC2TA (NP_000237, 39 a.a. ~ 148 a.a) partial recombinant protein with GST tag. The sequence is NSDADPLCLYHFYDQMDLAGEEEIELYSEPDTDTINCDQFSRLLCDMEGDEETREAYANI AELDQYVFQDSQLEGLSKDIFKHIGPDEVIGESMEMPAEVGQKSQKRPFP
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CIITA class II, major histocompatibility complex, transactivator [Homo sapiens (human)]
Official Symbol	CIITA
Synonyms	CIITA; class II, major histocompatibility complex, transactivator; C2TA; NLRA; MHC2TA; CIITAIV; MHC class II transactivator; NLR family, acid domain containing; MHC class II transactivator type III; nucleotide-binding oligomerization domain, leucine rich repeat and acid domain containing;
Entrez Gene ID	4261
Protein Refseq	NP_000237
UniProt ID	P33076
Chromosome Location	16p13
Pathway	Antigen processing and presentation; Immune System; Interferon Signaling; Primary immunodeficiency
Function	ATP binding; NOT DNA binding; activating transcription factor binding; protein C-terminus binding

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