



Mouse anti-Human CTD1 monoclonal antibody, clone 4H5 (CABT-B10044)

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

PRODUCT INFORMATION

Immunogen	CTD1 (AAH63447.1, 332 a.a. ~ 431 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4H5
Conjugate	Unconjugated
Applications	WB, IHC, IF, sELISA, ELISA
Sequence Similarities	PPGSRESQTRKKVNHSRGTEVSEPPVVRDPEGVTQAPGVEPSNGLEKPARELNGSEAAT PRDSPRPGKPDERDIWPPAQAPTSSQELAGAPEPQGSCAQ
Format	Liquid
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a protein which interacts with the carboxy-terminus of the RAP74 subunit of transcription initiation factor TFIIF, and functions as a phosphatase that processively dephosphorylates the C-terminus of POLR2A (a subunit of RNA polymerase II), making it
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available for initiation of gene expression. Mutations in this gene are associated with congenital cataracts, facial dysmorphism and neuropathy syndrome (CCFDN). Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2011]

Keywords	CTDP1; CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1; FCP1; CCFDN; RNA polymerase II subunit A C-terminal domain phosphatase; serine phosphatase FCP1a; TFIIIF-associating CTD phosphatase 1; CTD of POLR2A, phosphatase of, subunit 1; transcription factor IIF-associating CTD phosphatase 1;
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GENE INFORMATION

Entrez Gene ID	9150
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UniProt ID	Q9Y5B0
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Pathway	Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Disease, organism-specific biosystem; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem; Formation of HIV-1 elongation complex in the absence of HIV-1 Tat, organism-specific biosystem; Formation of RNA Pol II elongation complex, organism-specific biosystem; Formation of the Early Elongation Complex, org
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Function	CTD phosphatase activity; DNA-directed RNA polymerase activity; hydrolase activity; phosphoprotein phosphatase activity;
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