RNA Pol II unphosphorylated CTD specific antibody [1C7]

Relevance	Changes of phosphorylation patterns of the carboxyl-terminal repeat domain (CTD) of RNA Pol II serves as flexible binding scaffold for a variety of proteins
Specificity	Mammals, drosophila
Description	Rat monoclonal [1C7] to RNA Polymerase II with unphosphorylated C-terminal domain.
Product Type	Primary antibody
Isotype	IgG2a
Form	Liquid; hybridoma supernatant
Size	1 ml; 5 ml
Storage Buffer	PBS, preservative: 0.09% Sodium Azide Material safety datasheet (MSDS) for this product: **Sodium Azide MSDS**
Storage instructions	Shipped at ambient temperature. Upon receipt store at +4°C. Stable for one year. Do not freeze!
Application	Western blot: recommended starting concentration 1:10 ChIP: recommended starting volume 500 µl/ChIP The concentration of the antibody can vary. The optimal dilution should be determined by the end user. A titration from 1:5 up to 1:500 is recommended. IF: Not tested
References	Hintermair, C. Heidemann, M. Koch, F. Descostes, N. Gut, M. Gut, I. Fenouil, R. Ferrier, P. Flatley, A. Kremmer, E. Chapmann, RD Andrau, JC Eick, D. (*2012*) Threonine-4 of mammalian RNA polymerase II CTD is targeted by Polo-like kinase 3 and required for transcriptional elongation. *EMBO J.* **31** (2012) (PubMed)

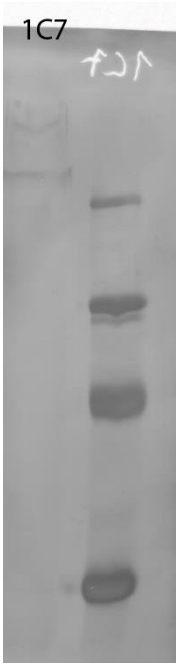
Tested applications

Immunoblot cell lysate

Primary antibody: RNA Pol II 1C7 1:10

Secondary antibody: anti-rat647

ECL detection of RNA Pol IIA by antibody 1C7 in HeLa cell extracts.



Only for research applications, not for diagnostic or therapeutic use.