Datasheet for ABIN4889651

anti-Rpb1 CTD antibody (pSer5, Ser5)

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Overview

Quantity:	100 µL
Target:	Rpb1 CTD
Binding Specificity:	pSer5, Ser5
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Rpb1 CTD antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	This RNA pol II CTD pSer5 antibody was raised against synthetic peptide containing the RNA Pol II heptad repeat consensus sequence phosphorylated at serine 5.
Purification:	None

Target Details

Target:	Rpb1 CTD
Alternative Name:	RNA Pol II CTD (Rpb1 CTD Products)
Molecular Weight:	210 kDa
Gene ID:	5430

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

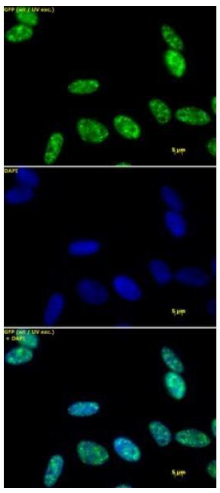
Handling

Format:	Liquid
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Storage:	-20 °C
Storage Comment:	Antibodies in solution can be stored at -20 °C for 2 years.
Expiry Date:	6 months

Publications

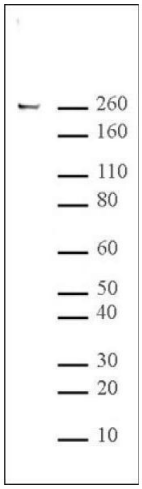
Product cited in:	Chang, Chan, R McGhie, Udugama, Mayne, Collas, Mann, Wong: "CHK1-driven histone H3.3 serine 31 phosphorylation is important for chromatin maintenance and cell survival in human ALT cancer cells." in: **Nucleic acids research**, Vol. 43, Issue 5, pp. 2603-14, (2015) (PubMed).

Images



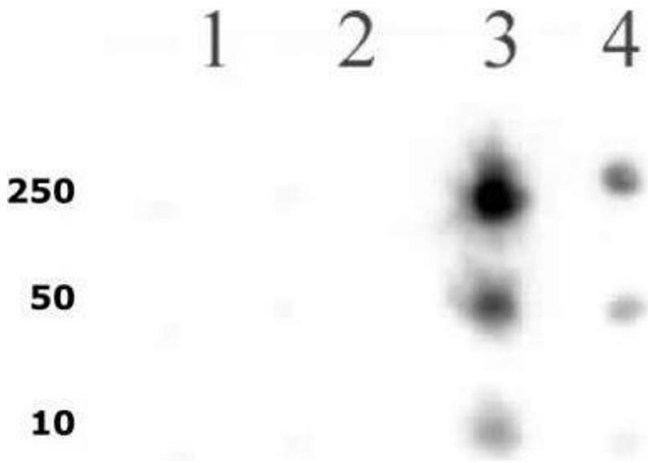
Immunofluorescence

Image 1. RNA pol II CTD phospho Ser5 antibody tested by immunofluorescence. Top image: HeLa cells stained with RNA pol II CTD phospho Ser5 antibody at a 1:1,000 dilution. Middle: Same cells stained with DAPI. Bottom: Merge of both images.



Western Blotting

Image 2. RNA pol II CTD phospho Ser5 antibody tested by Western blot. Nuclear extract of HeLa cells (20 µg) probed with RNA pol II CTD phospho Ser5 antibody at a 1:2,000 dilution.



Dot Blot

Image 3. RNA pol II CTD phospho Ser5 pAb tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of RNA pol II CTD phospho Ser5 antibody for phospho-Ser5 of the RNA Pol II C-terminal domain heptad repeat. Modified and unmodified peptides were spotted onto PVDF and probed with the antibody at a dilution of 1:1,000. Decreasing amounts of peptide were spotted in each row. Lane 1: Peptide phosphorylated at CTD repeat serine 2. Lane 2: Unmodified CTD repeat serine 2 peptide. Lane 3: Peptide phosphorylated at CTD repeat serine 5. Lane 4: Unmodified CTD repeat serine 5 peptide.

Please check the product details page for more images. Overall 4 images are available for ABIN4889651.