

Mouse anti-Human RNA pol II CTD Ser2ph/Ser5ph Monoclonal Antibody | anti-Ser2ph/Ser5ph antibody

RNA pol II CTD Ser2ph/Ser5ph antibody (mAb)(Clone 1A12G10)

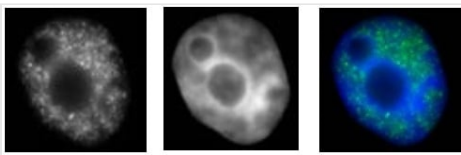
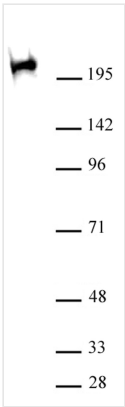
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60070	Mouse	Human	Western Blot, Immunofluorescence, Immunocytochemistry, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

PRODUCT SYNONYMS

RNA pol II CTD Ser2ph/Ser5ph; Monoclonal Antibody; RNA pol II CTD Ser2ph/Ser5ph antibody (mAb)(Clone 1A12G10); RPB1; RPO2; POLR2; POLRA; RPBh1; RPOL2; RplILS; hsRPB1; hRPB220; anti-Ser2ph/Ser5ph antibody

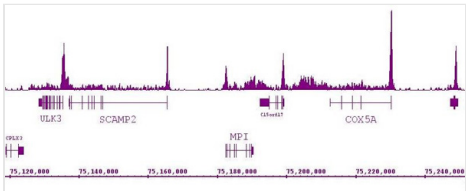
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	1A12G10
Purity/Purification	Protein A Chromatography
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-Ser2ph/Ser5ph antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), ChIP (Chromatin immunoprecipitation), ChIP (Chromatin immunoprecipitation)
Conjugation	Phosphorylated
Immunogen	This antibody was raised against a synthetic peptide containing phospho-serine 2 and phospho-serine 5 of the CTD of human RNA Polymerase II.
Abs Residue	Ser
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul



IF (Immunofluorescence)
RNA pol II CTD Ser2ph / Ser5ph antibody (mAb) (Clone 1A12G10) tested by immunofluorescence. Left: HeLa cell stained with RNA pol II CTD Ser2ph / Ser5ph antibody (mAb). Middle:Hoechst. Right: Merge.

WB (Western Blot)
RNA pol II CTD Ser2ph / Ser5ph antibody (mAb) (Clone 1A12G10) tested by Western blot. HeLa nuclear extract (30 ug per lane) probed with RNA pol II CTD Ser2ph / Ser5ph antibody (mAb) at a 1 ug/ml dilution.



ChIP (Chromatin Immunoprecipitation)
RNA pol II CTD Ser2ph / Ser5ph antibody (mAb) (Clone 1A12G10) tested by ChIP-Seq. ChIP was performed using the ChIP-IT High Sensitivity Kit with 30 ug of chromatin from HL-60 cells and 4 ug of antibody. ChIP DNA was sequenced on the Illumina HiSeq and 11 million sequence tags were mapped to identify RNA pol II CTD Ser2ph / Ser5ph binding sites. The image shows binding across a region of chromosome 15. You can view the complete data set in the UCSC Genome Browser, starting at this specific location, [here](#).

ADDITIONAL INFORMATION

Related Product Information for anti-Ser2ph/Ser5ph antibody	Short Description: Our RNA pol II CTD Ser2ph/Ser5ph antibody (mAb)(Clone 1A12G10) was raised in a Mouse host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq, Immunocytochemistry, Immunofluorescence and Western blot; it has been shown to react with Human samples.
Product Categories/Family for anti-Ser2ph/Ser5ph antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505939
NCBI GeneID	5430
NCBI Accession #	NP_000928 ; AB_2793726

NCBI GenBank Nucleotide #	NM_000937
UniProt Accession #	P24928 ; Q6NX41 ; A6NN93 ; B9EH88
Molecular Weight	63,641 Da
NCBI Official Full Name	DNA-directed RNA polymerase II subunit RPB1
NCBI Official Synonym Full Names	polymerase (RNA) II (DNA directed) polypeptide A, 220kDa
NCBI Official Symbol	POLR2A
NCBI Official Synonym Symbols	RPB1; RPO2; POLR2; POLRA; RPBh1; RPOL2; RplILS; hsRPB1; hRPB220
NCBI Protein Information	DNA-directed RNA polymerase II subunit RPB1; DNA-directed RNA polymerase II largest subunit, RNA polymerase II 220 kd subunit; DNA-directed RNA polymerase II subunit A; DNA-directed RNA polymerase III largest subunit; RNA polymerase II subunit B1; RNA-dir
UniProt Protein Name	DNA-directed RNA polymerase II subunit RPB1
UniProt Gene Name	POLR2A
UniProt Synonym Gene Names	POLR2; RNA polymerase II subunit B1
UniProt Entry Name	RPB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/rna-pol-ii-ctd-ser2ph-ser5ph-antibody-clone-1a12g10-western-blot-immunofluorescence-immunocytochemistry-chromatin-immunoprecipitation-chromatin-immunoprecipitation-elisa/60070>