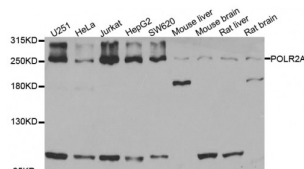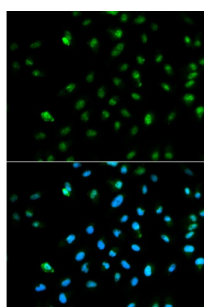**DATASHEET**

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DNA-Directed RNA Polymerase II Subunit RPB1 (POLR2A) Antibody

Catalogue No.:abx001719

Western blot analysis of extracts of various cell lines, using POLR2A antibody (abx001719) at 1/1000 dilution.

Immunofluorescence analysis of HepG2 cells using POLR2A antibody (abx001719).

POLR2A Antibody is a Rabbit Polyclonal antibody against POLR2A. This gene encodes the largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene contains a carboxy terminal domain composed of heptapeptide repeats that are essential for polymerase activity. These repeats contain serine and threonine residues that are phosphorylated in actively transcribing RNA polymerase. In addition, this subunit, in combination with several other polymerase subunits, forms the DNA binding domain of the polymerase, a groove in which the DNA template is transcribed into RNA.

Target:	POLR2A
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB, IF/ICC
Recommended dilutions:	WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	Recombinant protein of human POLR2A.
Purification:	Affinity purified.

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Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	Calculated MW: 63 kDa/217 kDa Observed MW: 250 kDa
Swiss Prot:	**P24928**
GeneID:	**5430**
Gene Symbol:	POLR2A
Concentration:	> 1 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Note:	This product is for research use only.