

POLR2A Antibody | anti-POLR2A antibody

POLR2A (Phospho-Ser1619) Antibody

CATALOG # AAA110323	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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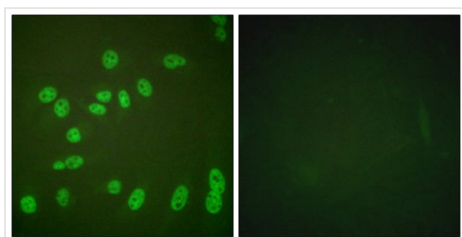
PRODUCT SYNONYMS

POLR2A; POLR2A (Phospho-Ser1619) Antibody; RPO2; RPOL2; POLR2 ALPHA-AMANITIN RESISTANCE; POLYMERASE II; RNA; SUBUNIT A; RNA POLYMERASE II; 220-KD SUBUNIT; LARGE SUBUNIT; RPB1; S. CEREVISIAE; HOMOLOG OF polymerase (RNA) II (DNA directed) polypeptide A; anti-POLR2A antibody

PRODUCT SPECIFICATIONS

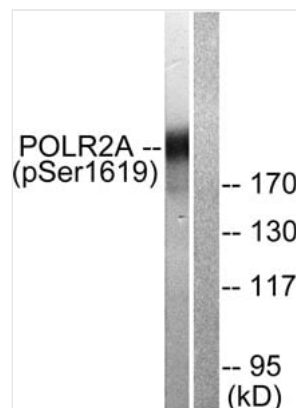
Reactivity	Human, Mouse, Rat
Specificity	POLR2A (phospho-Ser1619) antibody detects endogenous levels of POLR2A only when phosphorylated at serine 1619.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	1970
Applicable Applications for anti-POLR2A antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human POLR2A around the phosphorylation site of serine 1619 (P-T-SP-P-S).
All Sites	Human: Ser1619 Mouse: Ser1619 Rat: Ser1598
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



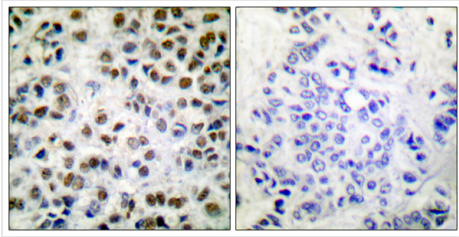
IF (Immunofluorescence)

PMA +- Immunofluorescence analysis of HeLa cells, treated with PMA (125ng/ml, 30mins), using POLR2A (phospho-Ser1619) antibody.



WB (Western Blot)

Western blot analysis of extracts from COS7 cells treated with EGF (200ng/ml, 30mins), using POLR2A (phospho-Ser1619) antibody.



IHC (Immunohistochemistry)
P-peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using POLR2A (phospho-Ser1619) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-POLR2A antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Tracy Jo Pasieka, J. Virol., Aug 2006; 80: 7600-7612. Olaf R. Mook, Mol. Cancer Ther., Mar 2007; 6: 833-843. Colleen A. McMullen, J. Neurosci., Jan 2004; 24: 161.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505939
NCBI GeneID	5430
NCBI Accession #	NP_000928.1
NCBI GenBank Nucleotide #	NM_000937.4
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	RNA polymerase II subunit A
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
UniProt Protein Name	DNA-directed RNA polymerase II subunit RPB1
UniProt Gene Name	POLR2A
UniProt Synonym Gene Names	POLR2; RNA polymerase II subunit B1

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.