

Rabbit Phospho-POLR2A CTD-T4 Polyclonal Antibody | anti-POLR2ACTD-T4 antibody

Phospho-POLR2A CTD-T4 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282246	Rabbit	Human, Mouse, Rat	Chromatin Immunoprecipitation, Immunoprecipitation, Immunoprecipitation, Western Blot

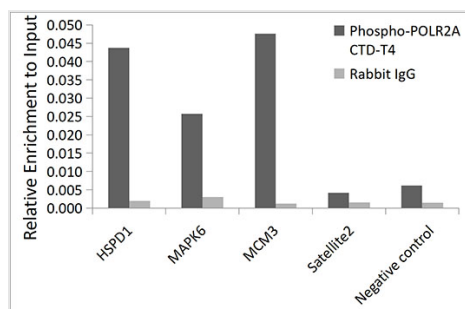
PRODUCT SYNONYMS

Phospho-POLR2A CTD-T4; Polyclonal Antibody; Phospho-POLR2A CTD-T4 Rabbit pAb; POLR2A; POLR2; POLRA; RPB1; RPBh1; RPO2; RPOL2; RpiILS; hRPB220; hsRPB1; Pol II; anti-POLR2ACTD-T4 antibody

PRODUCT SPECIFICATIONS

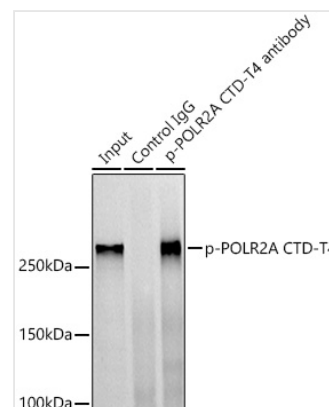
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	VDVKKNLTAS DMTTELEAFA HRPEHKTSDS TFLVFMISHGI REGICGKKHS EQVPDILQLN AIFNMLNTKN CPSLKDKPKV IIIQACRGDS PGVVWFKDSV G
Applicable Applications for anti-POLR2ACTD-T4 antibody	ChIP (Chromatin immunoprecipitation), IP (Immunoprecipitation), WB (Western Blot)
Positive Samples	MCF7, NIH/3T3, C2C12, C6, PC-12
Immunogen	A phospho specific peptide corresponding to residues surrounding T4 of human POLR2A CTD repeat YSPTSPS.
Cellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



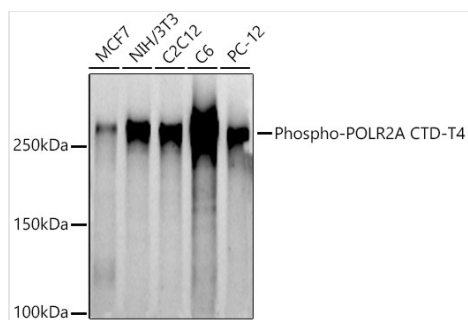
ChIP (Chromatin Immunoprecipitation)

Chromatin immunoprecipitation analysis of extracts of 293T cells, using Phospho-POLR2A CTD-T4 antibody and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



IP (Immunoprecipitation)

Immunoprecipitation analysis of 300ug extracts of C6 cells using 3ug Phospho-POLR2A CTD-T4 antibody. Western blot was performed from the immunoprecipitate using Phospho-POLR2A (Thr4) antibody at a dilution of 1:1000.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Phospho-POLR2A CTD-T4 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-POLR2ACTD-T4 antibody	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.
Product Categories/Family for anti-POLR2ACTD-T4 antibody	Epigenetics & Nuclear Signaling ; DNA Damage & Repair ; Neuroscience ; Neurodegenerative Diseases ; Protein phosphorylation ; Phosphorylated Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502573
NCBI GeneID	834
NCBI Accession #	NP_001214.1
NCBI GenBank Nucleotide #	NM_001223.4
UniProt Accession #	P29466 ; Q53EY6 ; Q6DMQ1 ; Q6GSS3 ; Q6PI75 ; Q9UCN3 ; B5MDZ1
Molecular Weight	45,159 Da
NCBI Official Full Name	caspase-1 isoform beta
NCBI Official Synonym Full Names	caspase 1, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP1
NCBI Official Synonym Symbols	ICE; P45; IL1BC
NCBI Protein Information	caspase-1; IL1B-convertase; CASP1 nirs variant 1; IL-1 beta-converting enzyme; interleukin 1, beta, convertase; interleukin 1-B converting enzyme; caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)
UniProt Protein Name	Caspase-1
UniProt Gene Name	CASP1
UniProt Synonym Gene Names	IL1BC; IL1BCE; CASP-1; IL-1BC; ICE
UniProt Entry Name	CASP1_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.