Rabbit anti-Human POLR2A CTD-S5 Monoclonal Antibody | anti-POLR2A antibody

Phospho-POLR2A CTD-S5 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28613	**Rabbit**	**Human**	**Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA**

PRODUCT SYNONYMS

POLR2A CTD-S5; Monoclonal Antibody; Phospho-POLR2A CTD-S5 Rabbit mAb; RPB1; RPO2; POLR2; POLRA; RPBh1; RPOL2; NEDHIB; RpIILS; hsRPB1; hRPB220; Phospho-POLR2A CTD-S5; anti-POLR2A antibody

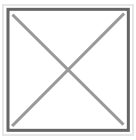
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Applicable Applications for anti-POLR2A antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:500-1:1000 IHC-P: 1:50-1:200 IF/ICC: 1:50-1:200 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	A phospho specific peptide corresponding to residues surrounding S5 of human POLR2A CTD (P24928).
Modification	Phospho S5
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

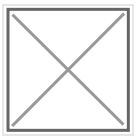
IMAGES

IF (Immunofluorescence)
Immunofluorescence analysis of PC-12 cells using Phospho-POLR2A CTD-S5 Rabbit mAb (AAA28613) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

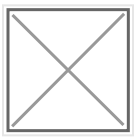
IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using Phospho-POLR2A CTD-S5 Rabbit mAb (AAA28613) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



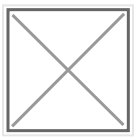
IF (Immunofluorescence)
Immunofluorescence analysis of A-549 cells using Phospho-POLR2A CTD-S5 Rabbit mAb (AAA28613) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Phospho-POLR2A CTD-S5 Rabbit mAb (AAA28613) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



IHC (Immunohistchemistry)
Immunohistochemistry analysis of paraffin-embedded Human breast tissue using Phospho-POLR2A CTD-S5 Rabbit mAb (AAA28613) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using Phospho-POLR2A CTD-S5 Rabbit mAb (AAA28613) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-POLR2A 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-POLR2A antibody	Epigenetics Nuclear Signaling; DNA Damage Repair; Protein phosphorylation; Neuroscience; Neurodegenerative Diseases; Phosphorylated Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505939
NCBI GeneID	5430
NCBI Accession #	NP_000928.1
NCBI GenBank Nucleotide #	NM_000937.4
UniProt Accession #	P24928; A6NN93; B9EH88
Molecular Weight	Calculated MW: 217kDa Observed MW: 270kDa
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/polr2a-ctd-s5-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28613