

Anti-POLR2A antibody (1-260) (STJ113726)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA/ChIP
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

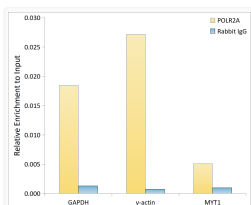
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. ChIP:5 µg antibody for 10 µg-15 µg of Chromat
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 217kDa Observed Mw: 250kDa
Storage Instruction	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

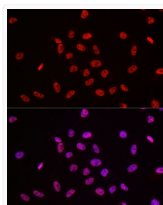
Gene ID	5430
Gene Symbol	POLR2A
UniProt ID	RPB1_HUMAN
Immunogen Region	1-260
Immunogen Sequence	MHGGGPPSGDSACPLRTIKR VQFGVLSPELKRMSVTEGG IKYPETTEGGRPKLGGGLMDP RQGVIERGTGRQCAGNMTE CPGHFGHIELAKPVFHVGF L VKTMKVLRCVCFCSKLLVD SNNPKIKDILAKSKGQPKKR LTHVYDLCKGKNICEGGEEM DNKFGVEQPEGDEDLTKEKG HGGCGRYQPRIRRSGLELYA EWKHVNEDSQEKILLSPER VHEIFKRISDEECFVLGME
Specificity	A synthetic peptide corresponding to a sequence within amino acids 1-260 of human POLR2A (NP_000928.1).

ADDITIONAL INFORMATION

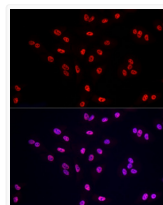
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



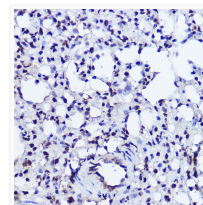
Chromatin immunoprecipitation analysis of extracts of HeLa cells, using POLR2A antibody (STJ113726) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



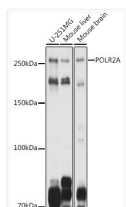
Immunofluorescence analysis of HeLa cells using POLR2A Rabbit polyclonal antibody (STJ113726) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of A-549 cells using POLR2A Rabbit polyclonal antibody (STJ113726) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of POLR2A in paraffin-embedded rat lung using POLR2A Rabbit polyclonal antibody (STJ113726) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of various lysates using POLR2A Rabbit polyclonal antibody (STJ113726) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.