

Product datasheet for TA380137

Troduct datastreet for TASSOTS

POLR2A Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: IP, WB

Recommended Dilution: WB,1:1000 - 1:2000

IP,1:50 - 1:100

Reactivity: Human

Modifications: Phospho S2

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: A phospho specific peptide corresponding to residues surrounding S2 of human POLR2A

Formulation: Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Concentration: lot specific

Purification: Affinity purification

Conjugation: Unconjugated

Storage: Store at -20°C. Avoid freeze / thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 63kDa/217kDa

Gene Name: polymerase (RNA) II subunit A

Database Link: Entrez Gene 5430 Human

P24928

Background: 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.



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

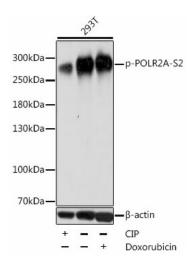
Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

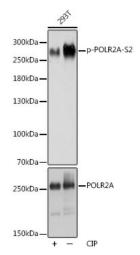


Synonyms:

hRPB220; hsRPB1; POLR2; POLRA; RPB1; RPBh1; RpIILS; RPO2; RPOL2

Product images:

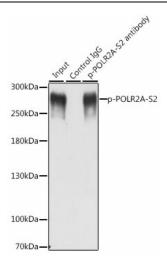




Western blot analysis of extracts of 293T cells, using Phospho-POLR2A-S2 antibody (TA380137) at 1:1000 dilution. 293T cell lysate were treated by CIP (20ul CIP for each 400ul cell lysate) at 37°C for 1 hour or treated by Doxorubicin (0.5uM) for 24 hours. |Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% BSA. |Detection: ECL Basic Kit. |Exposure time: 1s.

Western blot analysis of extracts of 293T cells, using Phospho-POLR2A-S2 pAb (TA380137) at 1:1000 dilution or POLR2A antibody (A2107).293T cells were treated by CIP(20uL/400ul) at 37°C for 1 hour. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% BSA. | Detection: ECL Basic Kit. | Exposure time: 1s.





Immunoprecipitation analysis of 200ug extracts of MCF-7 cells, using 3 ug Phospho-POLR2A-S2 pAb (TA380137). Western blot was performed from the immunoprecipitate using Phospho-POLR2A-S2 pAb (TA380137) at a dilition of 1:1000. MCF7 cells were treated by nocodazole (50 ng/mL) at 37°C for 20 hours.