Anti- POLR2A (Phospho-Ser1619) Polyclonal Antibody

Catalog No.	Size
A100037-01	50 µl
A100037-02	100 µl

Specificity	Anti- POLR2A (Phospho-Ser1619) (human Mouse Rat)
Source	Rabbit Polyclonal
Application	WB ELISA IHC IF
Form	Liquid, 1 mg/ml

Specificity and Sensitivity

Swiss-Prot No.: P24928

Other Names: RPO2; RPOL2,POLR2 ALPHA-AMANITIN RESISTANCE,POLYMERASE II, RNA, SUBUNIT A,RNA POLYMERASE II, 220-KD SUBUNIT,RNA POLYMERASE II, LARGE SUBUNIT,RPB1, S. CEREVISIAE, HOMOLOG OF polymerase (RNA) II (DNA directed) polypeptide A

Specificity and Sensitivity

POLR2A (phospho-Ser1619) antibody detects endogenous levels of POLR2A only when phosphorylated at serine 1619.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human POLR2A around the phosphorylation site of serine 1619 (P-T-S^{P}-P-S).

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1: 500~1:3000 IHC: 1:50~1:100

IF: 1:100~1:500 ELISA: 1:10000

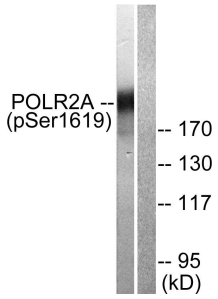
Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instructions

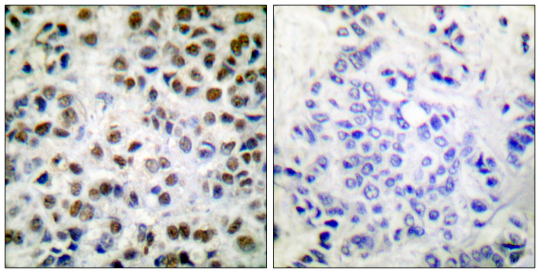
Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



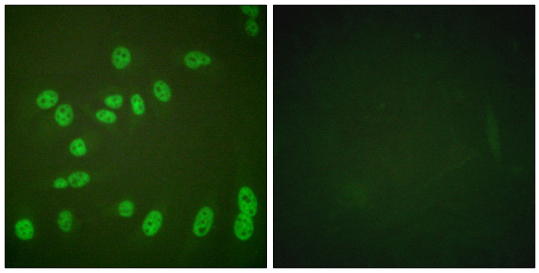
P-peptide - +

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



P-peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using POLR2A (phospho-Ser1619) antibody.



PMA + -

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

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