

Rpb1(Phospho Ser1619) Polyclonal Antibody

Description

Product type Primary Antibody

BT-AP07909 Code

Host Rabbit

Isotype IgG

20ul, 50ul, 100ul Size

The antiserum was produced against synthesized peptide derived from human POLR2A around the Immunogen

phosphorylation site of Ser1619. AA range:1585-1634

Mol wt 217206

Species reactivity Human, Mouse, Rat, Monkey

Clonality Polyclonal

WB, IHC-p, IF, ICC, ELISA Recommended application

Concentration 1 mg/ml

Full name DNA-directed RNA polymerase II subunit RPB1

DNA-directed RNA polymerase II subunit RPB1; POLR2A; POLR2; DNA-directed RNA polymerase II Synonyms

subunit RPB1; RNA polymerase II subunit B1; DNA-directed RNA polymerase II subunit A; DNA-directed

RNA polymerase III largest subunit; RNA-directed RNA polymerase II subunit RPB1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

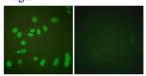
Recommended Dilution

WB: 1: 500 - 1: 2000 IHC-p: 1: 100 - 1: 300 IF: 1: 200 - 1: 1000 ICC: 1: 200 - 1: 1000

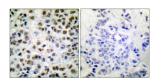
ELISA: 1: 10000

Not yet tested in other applications.

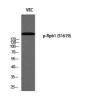
Images



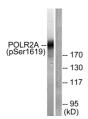
Immunofluorescence analysis of HeLa cells treated with PMA 125ng/ml 30', using POLR2A (Phospho-Ser1619) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using POLR2A (Phospho-Ser1619) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of VEC using p-Rpb1 (S1619) antibody. Antibody was diluted at 1:2000



Western blot analysis of lysates from COS7 cells treated with EGF 200ng/ml 30', using POLR2A (Phospho-Ser1619) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com