POLR2G Antibody

PACO62707

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:1000-1:5000

Protein Background:

DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase II which synthesizes mRNA precursors and many functional non-coding RNAs. Pol II is the central component of the basal RNA polymerase II transcription machinery. It is composed of mobile elements that move relative to each other. RPB7 is part of a subcomplex with RPB4 that binds to a pocket formed by RPB1, RPB2 and RPB6 at the base of the clamp element. The RBP4-RPB7 subcomplex seems to lock the clamp via RPB7 in the closed conformation thus preventing double-stranded DNA to enter the active site cleft. The RPB4-RPB7 subcomplex binds single-stranded DNA and RNA. Binds RNA.

Gene ID:

POLR2G

Uniprot

P62487

Synonyms:

DNA-directed RNA polymerase II subunit RPB7 (RNA polymerase II subunit B7) (DNA-directed RNA polymerase II subunit G) (RNA polymerase II 19 kDa subunit) (RPB19), POLR2G, RPB7

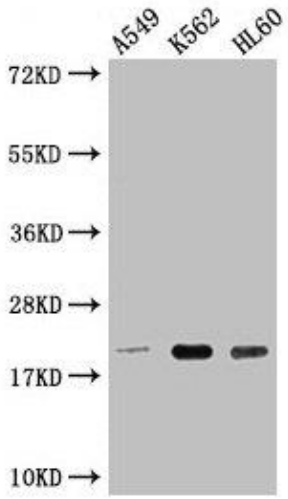
Immunogen:

Recombinant Human DNA-directed RNA polymerase II subunit RPB7 protein (1-172AA).

Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

Product Images



Western Blot. Positive WB detected in: A549 whole cell lysate, K562 whole cell lysate, HL60 whole cell lysate. All lanes: POLR2G antibody at 1:2000. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 20 kDa. Observed band size: 20 kDa.