

RRN3 (phospho-S649) polyclonal antibody

Catalog: BS64367

Host: Rabbit

Reactivity: Human

BackGround:

In eukaryotes, ribosomal RNA genes are transcribed by RNA polymerase (pol I). In *Saccharomyces cerevisiae*, transcription of rRNA genes requires at least three transcription factors, which include the two multisubunit factors Core factor and UAF that function in the assembly of the preinitiation complex. The third factor, Rrn3, functions as a single subunit and is not required for the preinitiation complex assembly. Unlike other pol I transcription factors, Rrn3 is functionally conserved between yeast and mammals as an rRNA gene transcription regulator. Human Rrn3 is 21% homologous to the yeast Rrn3 protein and is a member of a conserved gene family spanning the fungi, plant and animal kingdoms. hRrn3 is highly expressed in the lung, retina, thymus, and prostate. Rrn3 may be identical to the transcription factor TIF-IA, since both TIF-IA and Rrn3 associate with pol I and their activities are growth rate dependent.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 80 kDa

Swiss-Prot:

Q9NYV6

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

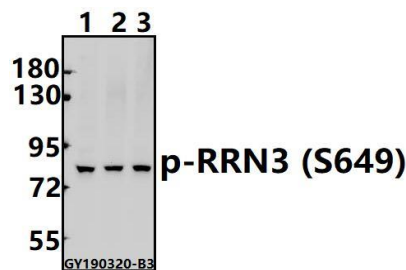
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

RRN3 (phospho-S649) polyclonal antibody detects endogenous levels of RRN3 protein only when phosphorylated at Ser649 .

DATA:



Western blot (WB) analysis of RRN3 (phospho-S649) polyclonal antibody at 1:500 dilution

Lane1:A375 whole cell lysate(40ug)

Lane2:EC9706 whole cell lysate(40ug)

Lane3:SGC7901 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

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