

## RNGTT polyclonal antibody

Catalog: BS8211

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

RNGTT (RNA guanylyltransferase and 5'-phosphatase), also known as HCE, HCE1, hCAP or CAP1A, is a 597 amino acid protein that localizes to the nucleus and exists as four alternatively spliced isoforms. Expressed in kidney, lung, heart, brain, liver, testis, skin and muscle, RNGTT acts as a bifunctional mRNA-capping enzyme that exhibits RNA 5'-triphosphatase activity at its N-terminus and mRNA guanylyltransferase activity at its C-terminus. Via its catalytic activity, RNGTT facilitates the first two steps of mRNA cap formation, naming the removal of a  $\gamma$ -phosphate from the end of nascent mRNA and the subsequent transfer of the phospho residue to the 5'-diphosphate terminus. The gene encoding RNGTT maps to human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 69 kDa

### Swiss-Prot:

O60942

### 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: 1:500~1:2000

IF: 1:50~1:200

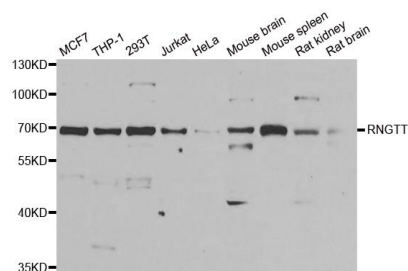
### Storage&Stability:

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

### Specificity:

RNGTT polyclonal antibody detects endogenous levels of RNGTT protein.

### DATA:



WesternBlot (WB) analysis of RNGTT polyclonal antibody

### Note:

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

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