

## Raptor (phospho-Ser792) polyclonal antibody

Catalog: AP4001

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Regulatory associated protein of FRAP, also designated Raptor, is a binding partner for mammalian target of rapamycin kinase (FRAP), and is essential for FRAP signalling in vivo. Raptor binding to FRAP is critical for FRAP-catalysed substrate phosphorylation of 4E-BP1. The raptor-FRAP complex is nutrient-sensitive and is important for a mechanism by which cells coordinate cell growth and size with changing environmental conditions. Raptor serves as a negative regulator of FRAP kinase activity under nutrient-deprived conditions and is an important component in the FRAP pathway. Raptor is highly expressed in skeletal muscle and to a lesser extent in brain, kidney, lung and placenta.

### Product:

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

### Molecular Weight:

~ 150 kDa

### Swiss-Prot:

Q8N122

### 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

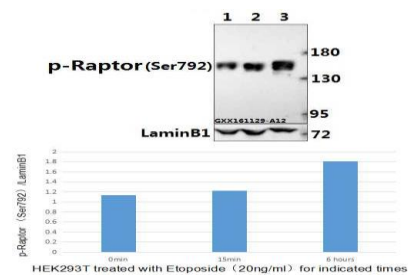
### Storage&Stability:

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

### Specificity:

Raptor (phospho-Ser792) polyclonal antibody detects endogenous levels of Raptor protein only when phosphorylated at Ser792.

### DATA:



Western blot (WB) analysis of Raptor (phospho-Ser792) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:HEK293T treated with Etoposide(20ng/ml) for 15 minutes whole cell lysate

Lane3:HEK293T treated with Etoposide(20ng/ml) for 6 hours whole cell lysate

### Note:

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

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