

Raptor (phospho-Ser792) polyclonal antibody

Catalog: BCP01420

Host: Rabbit

Reactivity: Human, Mouse

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

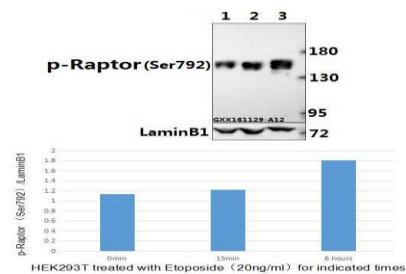
Storage&Stability:

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

Specificity:

A phospho specific peptide corresponding to residues surrounding Ser792 of human RPTOR

DATA:



Western blot analysis of extracts of 293T cells, using Phospho-Raptor-Ser792 antibody at 1:1000 dilution. 293T cells were treated by Oligomycin (0.5 uM) at 37°C for 30 minutes after serum-starvation overnight.

Lysates/proteins: 25ug per lane.

Note:

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