Raptor (S792) polyclonal antibody

Catalog: AP1001 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

IHC: 1:50~1:200

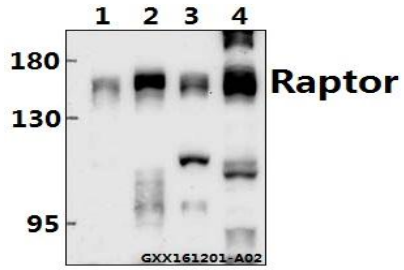
Storage&Stability:

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

Specificity:

Raptor (S792) polyclonal antibody detects endogenous levels of Raptor protein.

DATA:



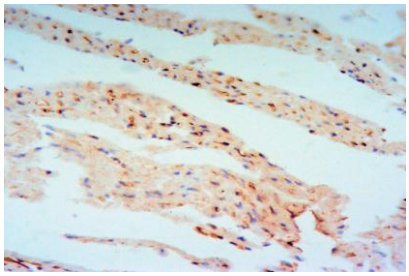
Western blot (WB) analysis of Raptor (Ser792) polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:MCF-7 whole cell lysate(40ug)

Lane4:AML-12 whole cell lysate(40ug)



Immunohistochemistry of paraffin-embedded Rat Heart using Raptor (S792) antibody at dilution of 1:50.

Note:

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

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