

Anti-MDM4(p53-binding protein Mdm4) Polyclonal Antibody

Cat. #: 60B255

Description:

Mdm4(p53-binding protein Mdm4) (Mdm2-like p53-binding protein) inhibits P53- and P73-mediated cell cycle arrest and apoptosis by binding its transcriptional activation domain. It inhibits degradation of MDM2. The Mdm4 protein can reverse MDM2-targeted degradation of P53 while maintaining suppression of P53 transactivation and apoptotic functions. The short isoform is a more potent inhibitor of P53 activity than the long isoform. The short isoform is expressed in a variety of transformed cell lines. The region I of MDM4(p53-binding protein Mdm4) gene is sufficient for binding p53 and inhibiting its G1 arrest and apoptosis functions. It also binds P73. The region II contains most of a central acidic region and a putative C4-type zinc finger. The ring finger domain which coordinates two molecules of zinc mediates the hetero-oligomerization with MDM2. MDM4 contains 1 RING-type zinc finger and 1 RANBP2-type zinc finger. It belongs to the MDM2/MDM4 family.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of mouse Mdm4 protein (p53-binding protein Mdm4) (Mdm2-like p53-binding protein)

References

Shvarts, A., et al, EMBO J. 15 (19), 5349-5357 (1996)
Rallapalli, R., et al, J. Biol. Chem. 274 (12), 8299-8308 (1999)

Species: mouse

Storage and Stability: at -20°C

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1 µg/ml for 2hrs)