E2F-1 (4G8) monoclonal antibody

Catalog: MB0176 Host: Mouse Reactivity: Human,Rat

BackGround:

The E2F transcription factors are essential for regulation of the cell cycle. Physiological E2F is a heterodimer composed of an E2F subunit together with a DP subunit. Six members of the E2F family have been identified, and each E2F subunit has a DNA binding and a dimerization domain. E2F-1 to -5 activate transcription. E2F-1 to -3 bind pRb, and E2F-4 and -5 bind p107 or p130, and these interactions are under cell cycle control. E2F-1 has oncogenic properties in vivo and in vitro. E2F-1 can induce apoptosis through p53-dependent and -independent mechanisms. E2F-1 is stress-responsive, and is regulated by a PI3-kinase-like kinase family such as the ATM/ATR kinases.

Product:

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol

Molecular Weight:

Predicted band size:47KDa

Observed band size:70KDa

Swiss-Prot:

Q01094

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500

IP: 1:50~200

IF: 1:50~200

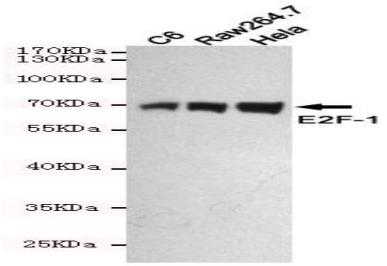
Storage&Stability:

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

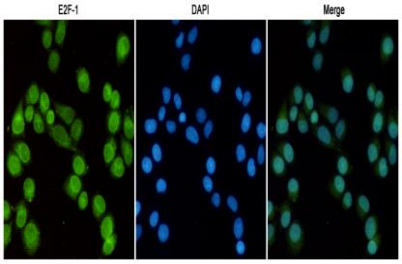
Specificity:

This antibody detects endogenous levels of E2F-1 and does not cross-react with related proteins.

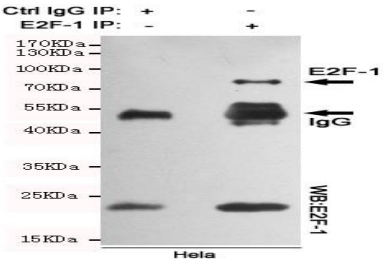
DATA:



Western blot detection of E2F-1 in C6,Raw264.7 and Hela cell lysates using E2F-1 mouse mAb (1:500 diluted).



Immunofluorescent analysis of Hela cells fixed with 4% Paraformaldehyde and using anti-E2F-1 mouse mAb (dilution 1:100). DAPI was used to stain nucleus(blue).



Immunoprecipitation analysis of Hela cell lysates using E2F-1 mouse mAb.

Note:

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

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