E2F1 (phospho-T433) polyclonal antibody

Catalog: BS4229 Host: Rabbit Reactivity: Human,Mouse

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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 47 kDa

Swiss-Prot:

Q01094

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:

IHC: 1:50~1:200

Storage&Stability:

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

Specificity:

p-E2F1 (T433) polyclonal antibody detects endogenous levels of E2F1 protein only when phosphorylated at Thr433

DATA:

Note:

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

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