

NF-1 (Q34) polyclonal antibody

Catalog: BS2042

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

NF-1, also designated CTF, consists of a family of CCAAT box binding proteins that stimulate DNA replication and activate transcription. Analysis of human NF-1 messenger RNA has revealed two forms of the NF-1 protein arising from an alternate splicing of a single NF-1 gene. NF-1 binds its consensus DNA element as a homodimer via an amino-terminal DNA binding domain, and activates transcription through a putatively novel, proline-rich, carboxy terminal transactivation domain. The NF-1 protein has been shown to recognize and bind the adenovirus type 2 promoter and activate transcription of herpes simplex virus thymidine kinase genes. The NF-1 consensus element has been found in the upstream promoter region of myriad eukaryotic genes, including that of Ha-Ras, α -globin, HSP 70, GRP 78, Histone H1, myelin basic protein and in the *Xenopus laevis* vitellogenin gene promoter.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 47(NFIB), 56(NFIA, NFIC, NFIX) kDa

Swiss-Prot:

Q12857/O00712/P08651/Q14938

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

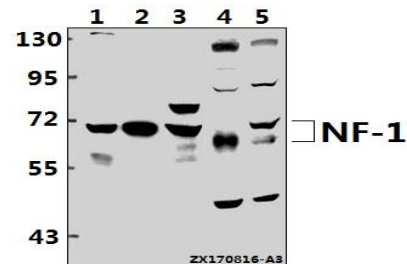
Storage&Stability:

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

Specificity:

NF-1 (Q34) polyclonal antibody detects endogenous levels of NFIA, NFIB, NFIC and NFIX protein.

DATA:



Western blot (WB) analysis of NF-1 (Q34) pAb at 1:1000 dilution

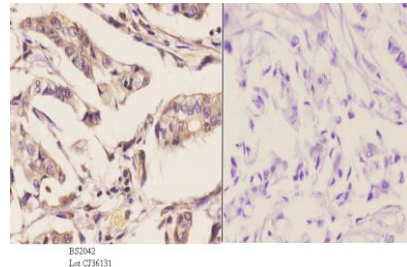
Lane1:HeLa whole cell lysate(20ug)

Lane2:H9C2 whole cell lysate(20ug)

Lane3:MEF whole cell lysate(40ug)

Lane4:K562 whole cell lysate(40ug)

Lane5:HEK293T whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of NF-1 (Q34) pAb in paraffin-embedded human breast carcinoma tissue at 1:50. showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

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

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