NTHOC1 polyclonal antibody

Catalog: BS90972 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

THOC1 (THO complex subunit 1), also known as Tho1, P84, HPR1 or P84N5, is a 657 amino acid nuclear matrix protein and is evolutionarily conserved from yeast to humans. THOC1 contains one death domain and is a component of the heteromultimeric THO/TREX (transcription/export) complex along with THOC2, THOC3, BAT1 and ALY. The THO/TREX complex is recruited to transcribed genes and travels along with RNA polymerase II (Pol II) during elongation, coupling elongating Pol II with RNA splicing and export factors. THOC1 is expressed at high levels in breast cancer cells and at relatively low levels in normal epithelia. A reduction of THOC1 in cancer cell lines results in reduced cell proliferation. This suggests that cancer cells are dependent on the high levels of THOC1 expression and therefore THOC1 may be a good target for cancer therapy.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

76 kDa

Swiss-Prot:

Q96FV9(Human) Q8R3N6(Mouse) P59924(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

ICC:1:50-1:200

IHC:1:50-1:200

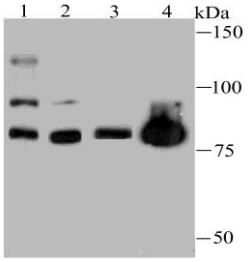
Storage&Stability:

Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

Specificity:

NTHOC1 polyclonal antibody detects endogenous levels of NTHOC1 protein.

DATA:



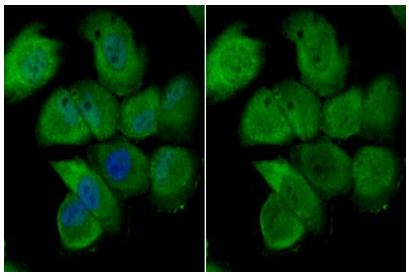
Western blot analysis of Nuclear Matrix Protein p84 on different lysates using anti-Nuclear Matrix Protein p84 antibody at 1/500 dilution. Positive control:

Lane 1: Hela

Lane 2: A431

Lane 3: Mouse skeletal muscle

Lane 4: PC-12



ICC staining Nuclear Matrix Protein p84 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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