

APE1 polyclonal antibody

Catalog: BS90069

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The role of transcription factors in the regulation of gene expression is well established. Although the activity of these factors can be regulated by phosphorylation, evidence has indicated regulation of DNA binding mediated by changes in reduction-oxidation (redox) status. Mutational analysis has identified a single conserved cysteine residue mapping within the DNA binding domains of Fos and Jun. Chemical oxidation or modification of this cysteine residue inhibits the DNA binding activity of Fos and Jun. A similar mode of regulation has been recently proposed for other nuclear transcription factors. Oxidation is reversible by these compounds or by a cellular redox/DNA repair protein identified originally as Ref-1 (redox factor 1). Ref-1 is identical to a previously characterized DNA repair enzyme designated HAP1, APE or APEX.

Product:

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

Molecular Weight:

36 kDa

Swiss-Prot:

P27695(Human) P28352(Mouse)

Purification&Purity:

Protein affinity purified.

Applications:

WB:1:500-1:2,000

ICC:1:500-1:1,000

IHC:1:100-1:500

FC:1:50-1:100

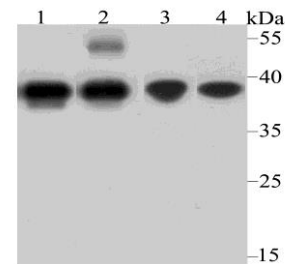
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

Specificity:

APE1 polyclonal antibody detects endogenous levels of APE1 protein.

DATA:



Western blot analysis of APE1 on different lysates using anti-APE1 antibody at 1/1,000 dilution.

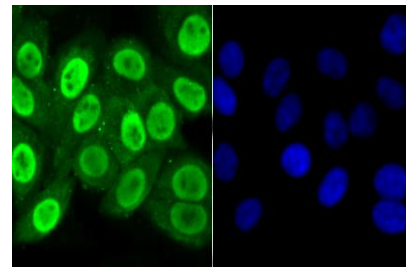
Positive control:

Lane1: HL-60

Lane2: Human skin tissue

Lane3: MCF-7

Lane4: Mouse placenta tissue



ICC staining APE1 in HepG2 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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