

NQO1 polyclonal antibody

Catalog: BS90961

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

NQO1, a 274 amino acid protein, is ubiquitously expressed, but the expression level varies among tissues. NQO1 gene expression is coordinately induced in response to xenobiotics, antioxidants, heavy metals and radiation. The antioxidant response element (ARE) in the NQO1 gene promoter is essential for expression and coordinated induction of NQO1. ARE activation by tert-butylhydroquinone is dependent on PI3-kinase, which lies upstream of Nrf2. Nrf2, c-Jun, Nrf1, Jun-B and Jun-D bind to the ARE and regulate expression and induction of NQO1 gene. Maf-Maf homodimers and possibly Maf-Nrf2 heterodimers play a role in negative regulation of ARE-mediated transcription, but Maf-Nrf1 heterodimers fail to bind with the NQO1 gene ARE and do not repress NQO1 transcription.

Product:

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

Molecular Weight:

31 kDa

Swiss-Prot:

P15559(Human) Q64669(Mouse) P05982(Rat)

Purification&Purity:

Protein affinity purified.

Applications:

WB:1:500-1:1,000

IHC:1:50-1:200

FC:1:50-1:100

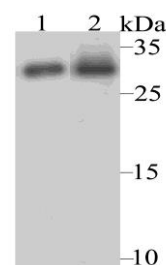
Storage&Stability:

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

Specificity:

NQO1 polyclonal antibody detects endogenous levels of NQO1 protein.

DATA:

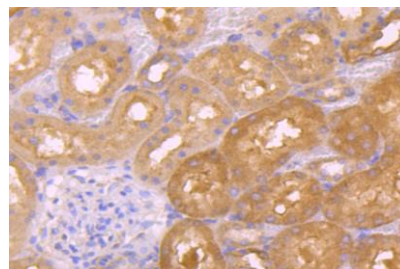


Western blot analysis of NQO1 on different cell lysates using anti-NQO1 antibody at 1/1,000 dilution.

Positive control:

Lane1: Siha

Lane2: A549



Immunohistochemical analysis of paraffin-embedded rat kidney tissue using anti-NQO1 antibody. Counter stained with hematoxylin.

Note:

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

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