

## NQO1 (F252) polyclonal antibody

Catalog: BS2945

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

NAD(P)H:quinone oxidoreductase 1 (NQO1) is a flavo-protein that catalyzes the two-electron reduction of quinones and their derivatives. This enzyme protects cells against redox cycling and oxidative stress. The expression of NQO1 is increased in liver, colon and breast tumors and non-small cell lung cancer (NSCLC) compared with the normal tissues. Moreover, expression levels are also elevated in developing tumors, suggesting a role for NQO1 in the prevention of tumor development. Studies on NQO1 knockout mice suggest that the lack of NQO1 enzymatic activity changes intracellular redox states resulting in a reduction in apoptosis, which in turns leads to myeloid hyperplasia of bone marrow.

### Product:

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

### Molecular Weight:

~ 31 kDa

### Swiss-Prot:

P15559

### 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

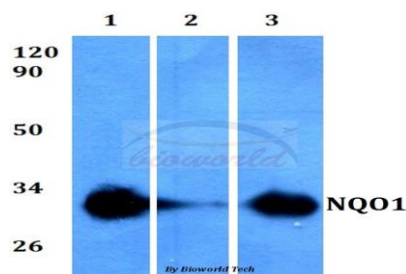
### Storage&Stability:

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

### Specificity:

NQO1 (F252) polyclonal antibody detects endogenous levels of NQO1 protein.

### DATA:



Western blot (WB) analysis of NQO1 (F252) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:H9C2 whole cell lysate

### Note:

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

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