NQO1 polyclonal antibody

Catalog: BS6833 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase. This FAD-binding protein forms homodimers and reduces quinones to hydroquinones. This protein's enzymatic activity prevents the one electron reduction of quinones that results in the production of radical species. Mutations in this gene have been associated with tardive dyskinesia (TD), an increased risk of hematotoxicity after exposure to benzene, and susceptibility to various forms of cancer. Altered expression of this protein has been seen in many tumors and is also associated with Alzheimer's disease (AD). Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Product:

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

Molecular Weight:

31KDa

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|IHC,1:50 - 1:100|IF/ICC,1:50 - 1:100

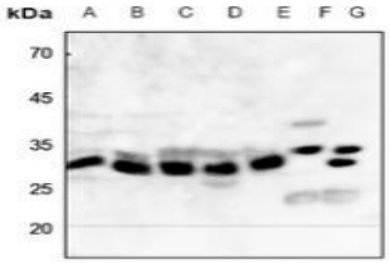
Storage&Stability:

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

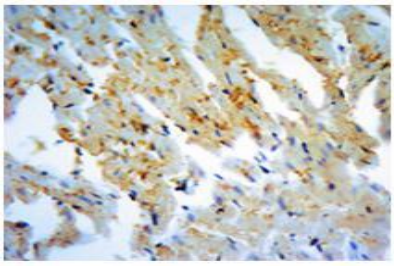
Specificity:

NQO1 polyclonal antibody detects endogenous levels of NQO1 protein.

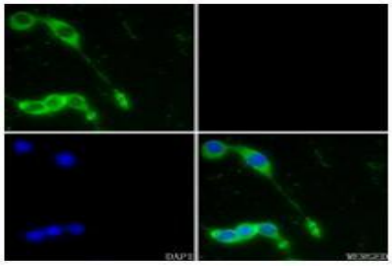
DATA:



Western blot analysis of NQO1 expression in HEK293T (A), Hela (B), A2788 (C), H460 (D), HepG2 (E), mouse kidney (F), rat kidney (G) whole cell lysates.



Immunohistochemical analysis of NQO1 staining in rat heart formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of NQO1 staining in BV2 cells.

Note:

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

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