
NQO1 Rabbit pAb

Catalog Number: bs-23407R

Target Protein: NQO1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat

Predicted MW: 31 kDa

Entrez Gene: 18104

Swiss Prot: Q64669

Source: KLH conjugated synthetic peptide derived from mouse NQO1: 201-274/274.

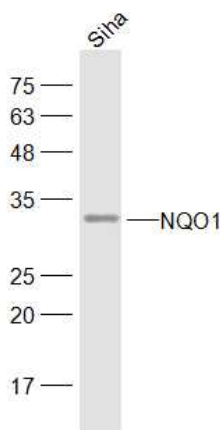
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

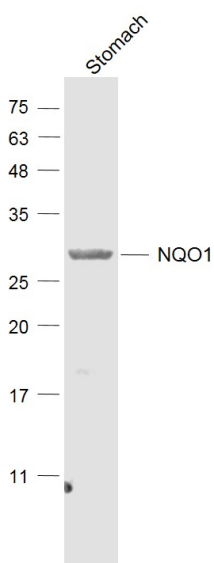
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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. [provided by RefSeq].

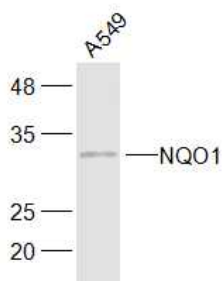
VALIDATION IMAGES



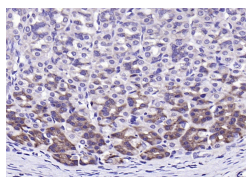
Sample: SiHa(Human) Cell Lysate at 30 ug Primary: Anti-NQO1 (bs-23407R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 31 kD



Sample: Stomach (Mouse) Lysate at 40 ug Primary: Anti-NQO1 (bs-23407R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 31 kD



Sample: A549(Human) Cell Lysate at 30 ug Primary: Anti-NQO1 (bs-23407R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 31 kD



Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NQO1) Polyclonal Antibody, Unconjugated (bs-23407R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=10.383] Wenjie Chen. et al. Transferrin-Targeted Cascade Nanoplatfor for Inhibiting Transcription Factor Nuclear Factor Erythroid 2-Related Factor 2 and Enhancing Ferroptosis Anticancer Therapy. ACS APPL MATER INTER. 2023;XXXX(XXX):XXX-XXX WB ; Mouse . 37249181

[IF=4.253] Mengru Li. et al. The leaves of Scutellaria baicalensis Georgi attenuate brain aging in D-galactose-induced rats via regulating glutamate metabolism and Nrf2 signaling pathway. EXP GERONTOL. 2022 Dec;170:111978 WB ; Rat . 36244586