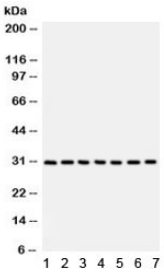
NQO1 Antibody (R31977)

Catalog No.	Formulation	Size
R31977	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P15559
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This NQO1 antibody is available for research use only.



Western blot testing of 1) rat liver, 2) rat lung, 3) human HeLa, 4) A549, 5) MM231, 6) SW620 and 7) 22RV1 with NQO1 antibody. Predicted/observed molecular weight ~30 kDa.

Description

This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase. And this FAD-binding protein forms homodimers and reduces quinones to hydroquinones. In addition, 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.

Application Notes

Optimal dilution of the NQO1 antibody should be determined by the researcher.

Immunogen

Amino acids EVQDEEKNKKFGLSVGHHLGKSIPTDNQIKARK of human NQO1 were used as the immunogen for the NQO1 antibody.

Storage

After reconstitution, the NQO1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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