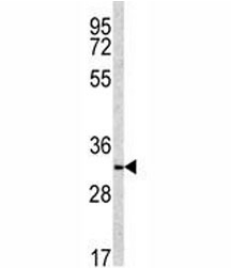
NQO1 Antibody (F50335)

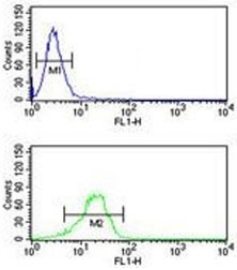
Catalog No.	Formulation	Size
F50335-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50335-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

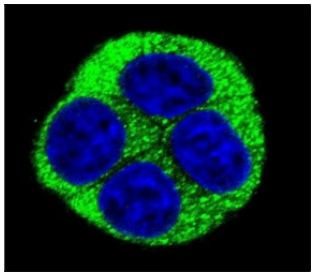
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P15559
Applications	Western blot: 1:1000 Flow Cytometry: 1:10-1:50 Immunofluorescence: 1:10-1:50
Limitations	This NQO1 antibody is available for research use only.



Western blot analysis of NQO1 antibody and NCI-H460 lysate. Predicted molecular weight ~30kDa.



NQO1 antibody flow cytometric analysis of NCI-H460 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Confocal immunofluorescent analysis of NQO1 antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used as a nuclear counterstain (blue).

Description

NQO1 is a member of the NAD(P)H dehydrogenase(quinone) family and 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. Altered expression of the protein has been seen in many tumors and is also associated with Alzheimer's disease (AD).

Application Notes

Titration of the NQO1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 118-144 from the human protein was used as the immunogen for this NQO1 antibody.

Storage

Aliquot the NQO1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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