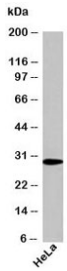
NQO1 Antibody (N1103)

Catalog No.	Formulation	Size
N1103-100UG	0.5 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug

Bulk quote request

Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Protein A affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	1728
Applications	Western blot: 1-3ug/ml
Limitations	This **NQO1 antibody** is available for research use only.



Western blot testing of human samples using NQO1 antibody at 1ug/ml. Predicted molecular weight ~30kDa.

Description

NAD(P)H:quinone oxidoreductase is an enzyme that catalyzes the two-electron reduction of quinones to hydroquinones, resulting in the activation or deactivation of the hydroquinone. Increased expression of NQO1 is seen in tumors of the breast, liver and colon and NSCLC (non-small cell lung cancer), suggesting a role in tumor development and possibly treatment. NQO1 has also been linked to Alzheimer's disease, found to be upregulated in response to the oxidative stress of the AD process.

Application Notes

Provided assay concentrations are suggestions only, NQO1 antibody titration may be required for optimal results.

Immunogen

A recombinant protein fragment from the C-terminal region of human NQO1 was used as the immunogen for this antibody.

Storage

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

Alternate Names

NAD(P)H dehydrogenase quinone 1 antibody

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