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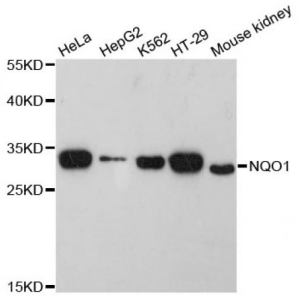
DATASHEET

NAD(P)H Dehydrogenase [quinone] 1 (NQO1) Antibody

Catalogue No.:abx000532



Western blot analysis of extracts of various cell lines, using NQO1 antibody (abx000532) at 1:3000 dilution.

NQO1 Antibody is a Rabbit Polyclonal antibody against NQO1. 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.

Target:	NQO1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB
Recommended dilutions:	WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	Recombinant protein of human NQO1.
Purification:	Affinity purified.
Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

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Molecular Weight:	Calculated MW: 26 kDa/27 kDa/30 kDa Observed MW: 31 kDa
Swiss Prot:	P15559
GeneID:	1728
Gene Symbol:	NQO1
Concentration:	> 1 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Note:	This product is for research use only.