

Recombinant NQO1 Monoclonal Antibody

catalog number: **AN300158P**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

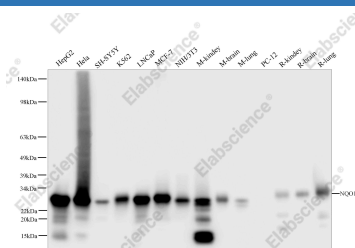
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human NQO1 Protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C110113
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

Recommended Dilution

IHC	1:200-1:1000
WB	1:1000-1:5000
IF	1:200-1:1000
ELISA	1:5000-1:20000
IP	1:50-1:200,

Data



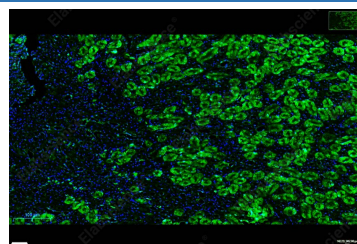
Western blot analysis of HepG2,Hela,SH-SY5Y,K562,LNCaP,MCF-7,NIH/3T3,Mouse kidney,Mouse brain,Mouse lung,PC-12,Rat kidney,Rat brain and Rat lung cell lysates using NQO1 Antibody (AN300158P) at a dilution of 1:1500.

Observed-MW:31kD

Calculated-MW:31kD



Rat kidney was stained with anti-NQO1 rabbit antibody



Mouse kidney was stained with anti-NQO1 rabbit antibody



A B C
Immunofluorescence analysis of HEK293. Picture A: NQO1 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

Preparation & Storage

Storage

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

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Rev. V1.6

Shipping

Ice bag

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, Jul 2008]

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