

Datasheet for ABIN2788702
anti-NQO1 antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µL
Target:	NQO1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Pig, Cow, Rabbit, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NQO1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	AILKGWFERV FIGEFAYTYA AMYDKGPFRS KKA VLSITTG GSGSMYSLQG
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 86%, Pig: 100%, Rabbit: 86%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against NQO1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	NQO1
Alternative Name:	NQO1 (NQO1 Products)
Background:	This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a

Target Details

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.

Alias Symbols: DHQU, DIA4, DTD, NMOR1, NMORI, QR1

Protein Interaction Partner: UBC, FOS, NEDD8, SUMO1, NFE2L2, PARP1, BAG3, ITGA4, FN1, RPS10P5, POLDIP3, YTHDF1, RPS19, LAMB1, TP53, STUB1, ING1, DNAJB1, HSPA1A, NQO1, HSPA4,

Protein Size: 274

Molecular Weight:	31 kDa
Gene ID:	1728
NCBI Accession:	NM_000903 , NP_000894
UniProt:	P15559

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 274 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

90 kDa__

65 kDa__

40 kDa__

29 kDa__

22 kDa__



Rabbit Anti-NQO1 Antibody

Catalog Number: ARP61165

Lot Number: QC31905

Lane: HT1080 Cell Lysate

Antibody Titration: 1.0µg/ml

Gel Concentration: 12%

Western Blotting

Image 1.