

Datasheet for ABIN2788702

anti-NQO1 antibody (Middle Region)





Go to Product page

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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 KKAVLSITTG GSGSMYSLQG
Sequence: Predicted Reactivity:	AILKGWFERV FIGEFAYTYA AMYDKGPFRS KKAVLSITTG GSGSMYSLQG Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 86%, Pig: 100%, Rabbit: 86%, Rat: 100%
	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 86%, Pig: 100%,
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 86%, Pig: 100%, Rabbit: 86%, Rat: 100%
Predicted Reactivity: Characteristics:	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 86%, Pig: 100%, Rabbit: 86%, Rat: 100% This is a rabbit polyclonal antibody against NQO1. It was validated on Western Blot.
Predicted Reactivity: Characteristics: Purification:	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 86%, Pig: 100%, Rabbit: 86%, Rat: 100% This is a rabbit polyclonal antibody against NQO1. It was validated on Western Blot.
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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, NQ01,
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	

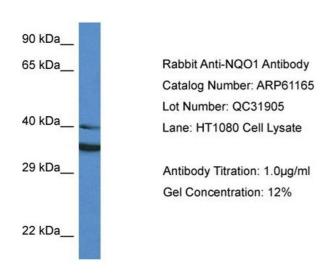
Handling

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



Western Blotting

Image 1.