



Datasheet for ABIN969319

## anti-NQO1 antibody



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6 Images

2 Publications

### Overview

Quantity:	100 µL
Target:	NQO1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NQO1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

### Product Details

Immunogen:	Purified recombinant fragment of human NQO1 expressed in E. coli.
Clone:	4D12
Isotype:	IgG1
Purification:	purified

### Target Details

Target:	NQO1
Alternative Name:	NQO1 ( <a href="#">NQO1 Products</a> )
Background:	Description: 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

## Target Details

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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. Aliases: DTD, QR1, DHQU, DIA4, NMOR1, NMORI

Molecular Weight: 31 kDa

Gene ID: 1728

HGNC: 1728

## Application Details

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Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

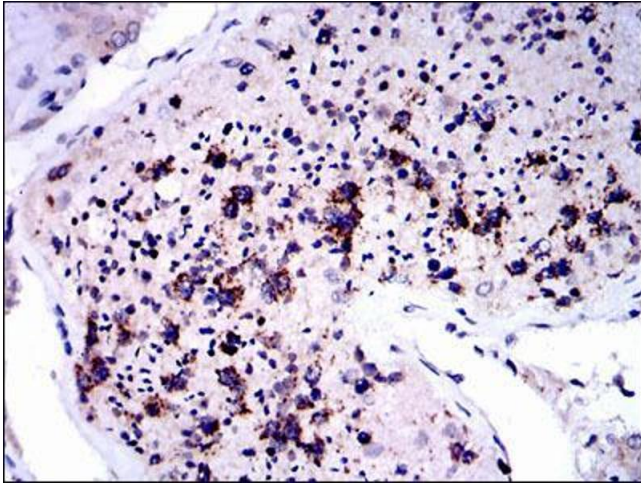
Storage Comment: 4°C, -20°C for long term storage

## Publications

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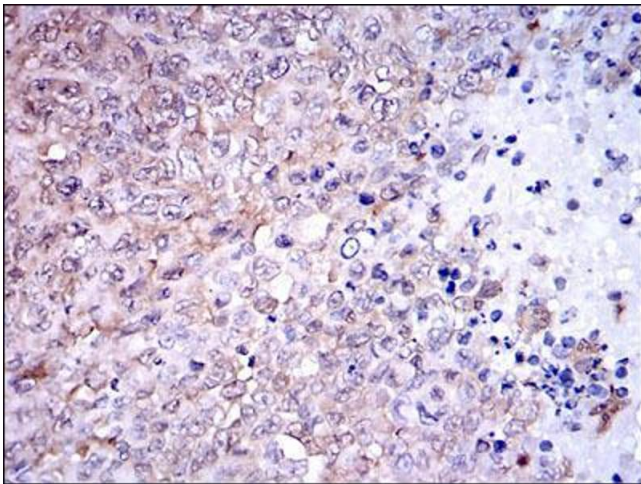
Product cited in: Dupasquier, Abdel-Samad, Glazer, Bastide, Jay, Joubert, Cavallès, Blache, Quittau-Prévostel: "A new mechanism of SOX9 action to regulate PKCalpha expression in the intestine epithelium." in: **Journal of cell science**, Vol. 122, Issue Pt 13, pp. 2191-6, (2009) ([PubMed](#)).

Gordon, Tan, Benko, Fitzpatrick, Lyonnet, Farlie: "Long-range regulation at the SOX9 locus in development and disease." in: **Journal of medical genetics**, Vol. 46, Issue 10, pp. 649-56, (2009) ([PubMed](#)).



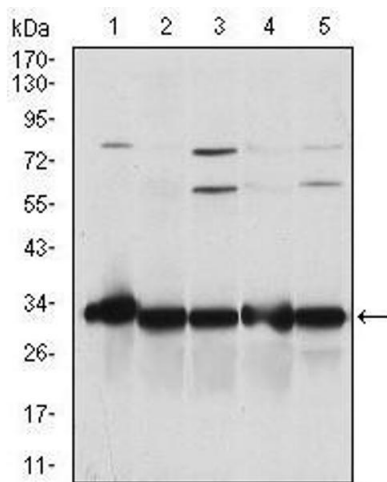
### Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded testis tissues using NQO1 mouse mAb with DAB staining.



### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues using NQO1 mouse mAb with DAB staining.



### Western Blotting

**Image 3.** Western blot analysis using NQO1 mouse mAb against A549 (1), SKNES (2), HepG2 (3), MCF-7 (4) and HeLa (5) cell lysate.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN969319.