

A Reliable Research Partner in Life Science and Medicine

# **Recombinant NQO1 Monoclonal Antibody**

catalog number: AN300988L

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

#### **Description**

Reactivity Human; Mouse; Rat

Immunogen Recombinant Human NQO1 protein

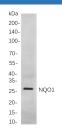
HostRabbitIsotype $IgG,\kappa$ CloneB739PurificationProtein A

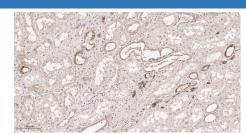
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

## Applications Recommended Dilution

IHC 1:200-1:1000 WB 1:1000-1:5000

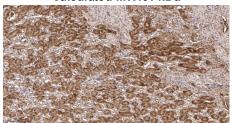
#### Data





Western Blot with Recombinant NQO1 Monoclonal Antibody Immunohistochemistry of paraffin-embedded human kidney at dilution of 1:1000 dilution. Lane A: Hela cells. tissue using Recombinant NQO1 Monoclonal Antibody at dilution of 1:200.

Observed-MW:31 kDa Calculated-MW:31 kDa



Immunohistochemistry of paraffin-embedded mouse kidney tissue using Recombinant NQO1 Monoclonal Antibody at dilution of 1:200.

### **Preparation & Storage**

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

Shipping Ice bag

## **Background**

#### For Research Use Only

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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&apo s;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.

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