

For Research Use Only

# NQO2 Monoclonal antibody, PBS Only



Catalog Number: 68487-1-PBS

## Basic Information

<b>Catalog Number:</b> 68487-1-PBS	<b>GenBank Accession Number:</b> BC006096	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4835	<b>CloneNo.:</b> 1D9B5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P16083	
<b>Isotype:</b> IgG1	<b>Full Name:</b> NAD(P)H dehydrogenase, quinone 2	
<b>Immunogen Catalog Number:</b> AG8156	<b>Calculated MW:</b> 231 aa, 26 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human, mouse, rabbit

## Background Information

NQO2, also named as QR2 and NMOR2, belongs to the NAD(P)H dehydrogenase (quinone) family. It serves as a quinone reductase in connection with conjugation reactions of hydroquinones involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis. The cytosolic quinone oxidoreductases NQO1 and NQO2 protect cells against oxidative stress by detoxifying quinones and preventing redox cycling. NQO1 and NQO2 are important endogenous factors in regulation of immune response and autoimmunity.

## Storage

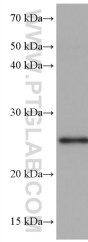
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

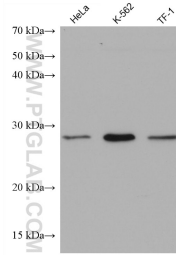
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## Selected Validation Data



rabbit kidney tissue were subjected to SDS PAGE followed by western blot with 68487-1-Ig (NQO2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68487-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 68487-1-Ig (NQO2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68487-1-PBS in a different storage buffer formulation.