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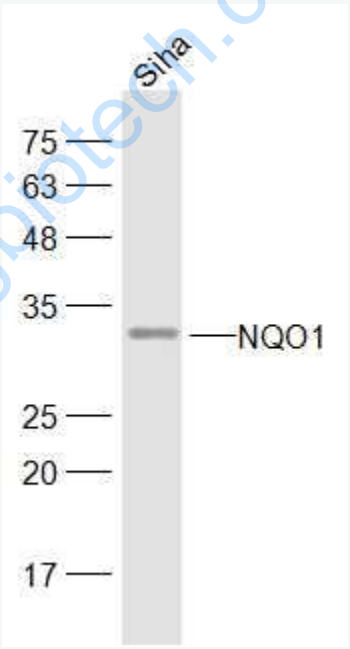
Rabbit Anti-NQO1 antibody

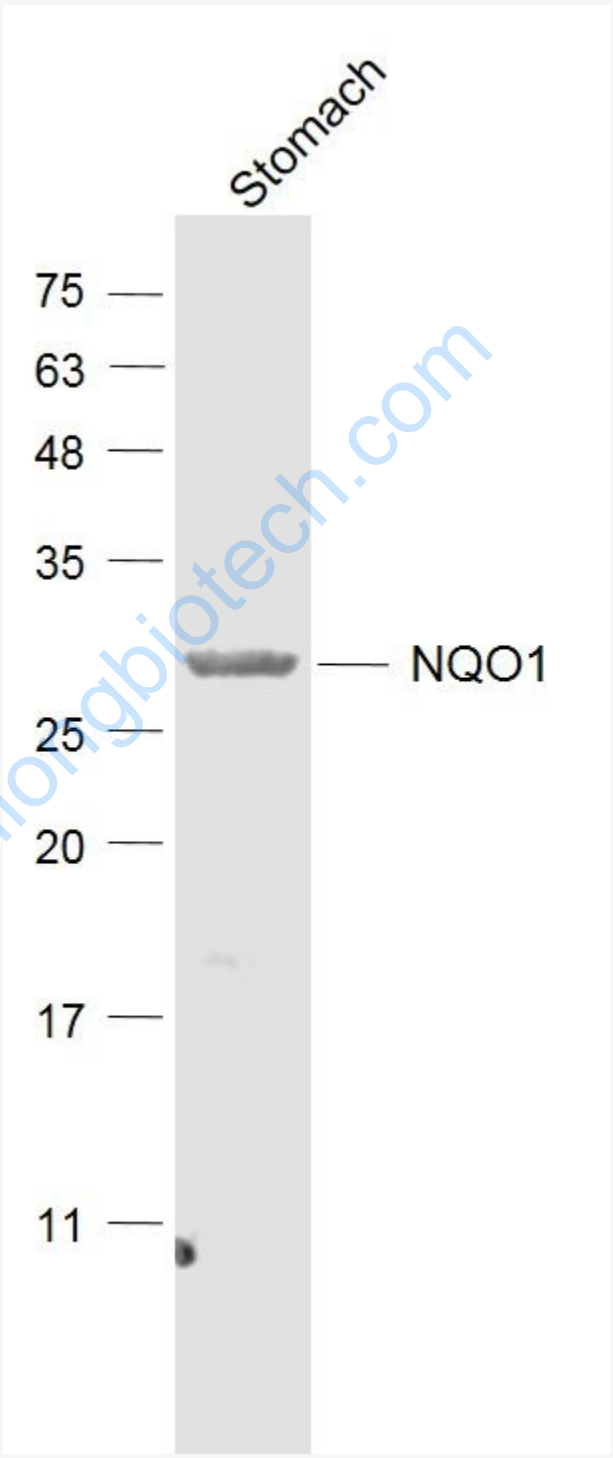
SL23407R

Product Name:	NQO1
Chinese Name:	醌氧化还原酶抗体
Alias:	Azoreductase; Cytochrome b 5 reductase; DHQU; DIA 4; DIA4; Diaphorase (NADH/NADPH) (cytochrome b 5 reductase); Diaphorase (NADH/NADPH) (cytochrome b-5 reductase); Diaphorase (NADH/NADPH) (cytochrome b-5 reductase); Diaphorase (NADH/NADPH); Diaphorase 4; Dioxin inducible 1; DT diaphorase; DT-diaphorase; DTD; Menadione reductase; NAD(P)H dehydrogenase [quinone] 1; NAD(P)H dehydrogenase quinone 1; NAD(P)H menadione oxidoreductase 1 dioxin inducible; NAD(P)H: menadione oxidoreductase 1 dioxin inducible 1; NAD(P)H:menadione oxidoreductase 1; NAD(P)H:Quinone acceptor oxidoreductase type 1; NAD(P)H:quinone oxidoreductase 1; NAD(P)H:quinone oxireductase; NMOR 1; NMOR I; NMOR1; NMORI; NQO 1; NQO1; NQO1_HUMAN; Phylloquinone reductase; Phylloquinone reductase; QR 1; QR1; Quinone reductase 1; Quinone reductase1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	31kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse NQO1:201-274/274
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized

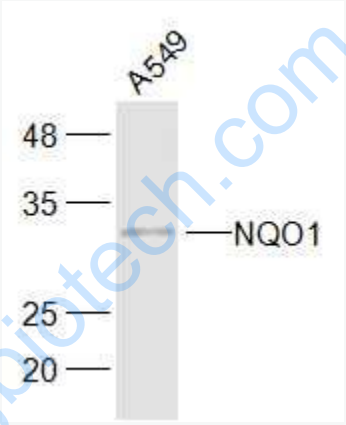
	antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene is a member of the NAD(P)H 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 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. [provided by RefSeq]. **Function:** The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinons involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis. **Subunit:** Homodimer. **Subcellular Location:** Cytoplasm. **Similarity:** Belongs to the NAD(P)H dehydrogenase (quinone) family. **SWISS:** Q64669 **Gene ID:** 18104 **Database links:** Entrez Gene: 610935Dog Entrez Gene: 1728Human Entrez Gene: 18104Mouse Entrez Gene: 100286873Pig Entrez Gene: 24314Rat Omim: 125860Human

	SwissProt: P15559Human SwissProt: Q64669Mouse SwissProt: P05982Rat Unigene: 406515Human Unigene: 252Mouse Unigene: 11234Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Siha(Human) Cell Lysate at 30 ug Primary: Anti-NQO1 (SL23407R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD

Observed band size: 31 kD



Sample:

	Stomach (Mouse) Lysate at 40 ug Primary: Anti-NQO1 (SL23407R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 31 kD
	
	Sample: A549(Human) Cell Lysate at 30 ug Primary: Anti-NQO1 (SL23407R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 31 kD