

Product datasheet for **TA327061**

NQO1 Rabbit Polyclonal Antibody

Product data:

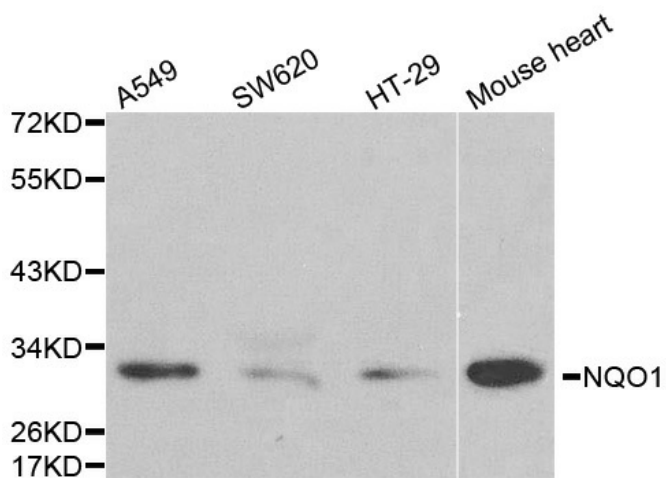
Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide of human NQO1
Formulation:	Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	31 kDa
Gene Name:	NAD(P)H quinone dehydrogenase 1
Database Link:	NP_000894 Entrez Gene 18104 MouseEntrez Gene 24314 RatEntrez Gene 1728 Human P15559
Background:	NAD(P)H:quinone oxidoreductase 1 (NQO1) is a flavoprotein that catalyzes the two-electron reduction of quinones and their derivatives. This enzyme protects cells against redox cycling and oxidative stress . The expression of NQO1 is increased in liver, colon and breast tumors and non-small cell lung cancer (NSCLC) compared with the normal tissues. Moreover, expression levels are also elevated in developing tumors, suggesting a role for NQO1 in the prevention of tumor development. Studies on NQO1 knockout mice suggest that the lack of NQO1 enzymatic activity changes intracellular redox states resulting in a reduction in apoptosis, which in turns leads to myeloid hyperplasia of bone marrow.
Synonyms:	DHQU; DIA4; DTD; NMOR1; NMORI; QR1



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Protein Families: Druggable Genome

Product images:



Western blot analysis of extracts of various cell lines, using NQO1 antibody.