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Product datasheet for TA302678

NQO1 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ELISA: 1:64000. WB: 0.03-0.1µg/ml.IHC:5µg/ml;IF:5µg/ml
Reactivity:	Human, Mouse, Dog (Expected from sequence similarity: Rat, Pig)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-SIPTDNQIKARK, from the C Terminus of the protein sequence according to NP_000894.1; NP_001020604.1; NP_001020605.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	30.7 kDa
Gene Name:	NAD(P)H quinone dehydrogenase 1
Database Link:	NP_000894 Entrez Gene 18104 MouseEntrez Gene 24314 RatEntrez Gene 610935 DogEntrez Gene 1728 Human P15559

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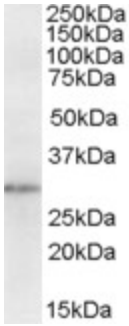
Background: This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase. This FAD-binding protein forms homodimers and reduces quinones to hydroquinones. This protein's enzymatic activity prevents the one electron reduction of quinones that results 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]

Synonyms: DHQU; DIA4; DTD; NMOR1; NMORI; QR1

Protein Families: Druggable Genome

Product images:



TA302678 staining (1ug/ml) of Human Lung lysate (RIPA buffer, 35ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.