

Datasheet for ABIN567621

anti-NQO2 antibody**2** Images[Go to Product page](#)

Overview

| | |
|--------------|---|
| Quantity: | 0.1 mL |
| Target: | NQO2 |
| Reactivity: | Human, Mouse |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This NQO2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Enzyme Immunoassay (EIA) |

Product Details

| | |
|---------------|---|
| Clone: | AT1E3 |
| Isotype: | IgG1 |
| Specificity: | The antibody recognizes human and mouse NQO2. Other species not tested. |
| Purification: | Protein-G affinity chromatography |

Target Details

| | |
|-------------------|---|
| Target: | NQO2 |
| Alternative Name: | NQO2 (NQO2 Products) |
| Background: | Quinone oxidoreductase (NQO1 and NQO2) are cytosolic proteins that catalyze metabolic redaction of quinines and derivatives. NQO2 is inhibited by flavones such as quercetin. Also benzo(a)pyrene is another known inhibitor of NQO2. Even though overlapping substrates specificities have been observed for NQO1 and NQO2, such as for CB1954 activation, |

Target Details

significant differences exist in relative affinities for the various substrates. The detoxification role of NQO2 has not been found, and it has no known endogenous biological substrates. However, NQO1 plays an important role in the detoxification of various endogenous and exogenous quinones, including estrogen quinines. Also NQO2 has a melatonin-binding site, which may explain the anti-oxidant role of melatonin related with circadian rhythm. Synonyms: NMOR2, NRH dehydrogenase [quinone] 2, NRH:quinone oxidoreductase 2, Ribosylidihydronicotinamide dehydrogenase [quinone]

Gene ID: 4835

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

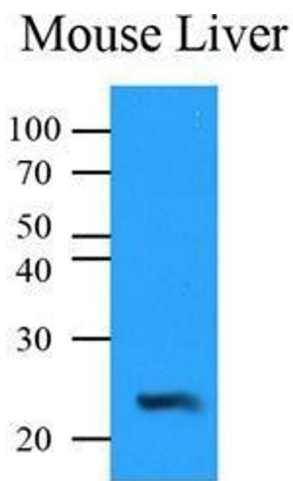
Concentration: 1.0 mg/mL

Buffer: PBS, pH 7.4, containing 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

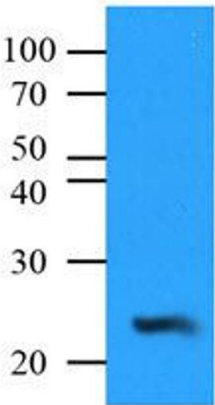
Images



Western Blotting

Image 1.

Mouse Liver



Western Blotting

Image 2.