Datasheet for ABIN1169221

anti-NQO1 antibody

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	NQO1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant human NQO1.
Clone:	Skiny-1
Isotype:	IgG2a
Specificity:	Recognizes human NQO1. Detects a band of ~32 kDa by Western blot.
Cross-Reactivity:	Human
Sterility:	0.2 µm filtered

Target Details

Target:	NQO1
Alternative Name:	NQO1 (NQO1 Products)
Background:	NQO1 is a cytosolic antioxidant flavoprotein that catalyzes the reduction of highly reactive quinone metabolites and their derivatives by using NAD(P)H as an electron donor. Thus NQO1

Target Details

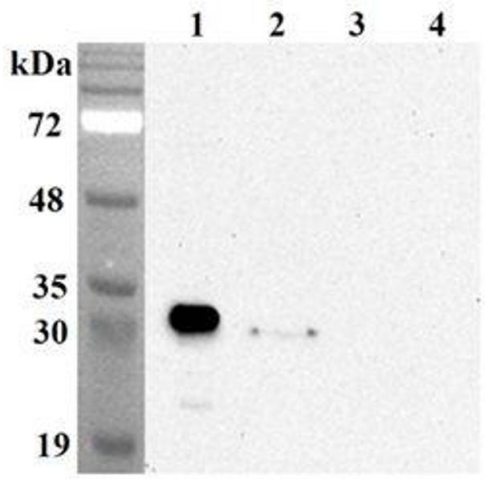
	acts as a detoxyfying enzyme and is involved in the body's protection against oxidative stress. NQO1 acts as a protein chaperone, one of its targets being p53. In humans NQO1 is expressed at high levels in adipocytes and its expression levels are positively correlated with adiposity, glucose tolerance, and makers of liver dysfunction. Altered expression of NQO1 is associated with Alzheimer's disease. NQO1 is abnormally elevated in many types of solid tumors and may represent a useful biomarker of pancreatic cancer.
UniProt:	Q3B792

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis using anti-NQO1 (human), mAb (Skiny-1) at 1:5'000 dilution. 1: Human NQO1 (His-tagged). 2: A549 cell lysate. 3: Unrelated (His-tagged) (negative control). 4: Unrelated (His-tagged) (negative control).