NQO1 Conjugated Antibody

Catalog No: #C32295

Package Size: #C32295-AF350 100ul #C32295-AF405 100ul #C32295-AF488 100ul #C32295-AF555 100ul #C32295-AF594 100ul #C32295-AF647 100ul #C32295-AF680 100ul #C32295-AF750 100ul #C32295-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	NQO1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total NQO1 protein.
Immunogen Description	A synthetic peptide of human NQO1 .
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	DHQU;DIA4;DTD;NMOR1;NMORI
Accession No.	Swiss-Prot#:P15559NCBI Gene ID:1728
Uniprot	P15559
GeneID	1728;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	31
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

Antibodies were purified by affinity purification using immunogen.

Background

NAD(P)H:quinone oxidoreductase 1 (NQO1) is a flavoprotein that catalyzes the two-electron reduction of quinones and their derivatives (1,2). This enzyme protects cells against redox cycling and oxidative stress (1,3). The expression of NQO1 is increased in liver, colon and breast tumors and non-small cell lung cancer (NSCLC) compared with the normal tissues (1,2). Moreover, expression levels are also elevated in developing tumors, suggesting a role for NQ01 in the prevention of tumor development (1). 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 (2).

Note: This product is for in vitro research use only