

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Nrf2 in Western blots. In Western blots, no cross-reactivity with mouse and rat Nrf2 and human Nrf1 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 383727
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Nrf2 Met17-Asn605 Accession # Q16236
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

NF-E2 related factor 2 (Nrf2) is a member of the cap 'n' collar family of basic leucine zipper transcription factors. By binding antioxidant response elements (AREs), Nrf2 activates the transcription of genes encoding antioxidant and phase II drug-metabolizing enzymes needed to protect cells against oxidative damage. Transcriptional targets regulated by Nrf2 include genes encoding glutathione S-transferases, superoxide dismutase-1, and heme oxygenase-1.

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