

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse HO-2/HMOX2 in Western blots. Endogenous rat HO-2 is detectable but has a higher background. In Western blots, no cross-reactivity with recombinant human HO-1/HMOX1 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 322913
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human HO-2/HMOX2 Met1-Met316 Accession # P30519
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

Heme Oxygenase 2 (HO-2), also known as HMOX2, is a 36 kDa microsomal enzyme required for the metabolism of heme to biliverdin. Heme Oxygenase occurs as 2 isozymes, the constitutively expressed Heme Oxygenase-2(HO-2/HMOX2) and the inducible Heme Oxygenase-1 (HO-1/HMOX1). HO-1 expression is induced by heme and other non-heme compounds. Human HO-2 shares 42% amino acid sequence identity with human HO-1 and 89% amino acid sequence identity with mouse and rat HO-2.

PRODUCT SPECIFIC NOTICES

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