

DESCRIPTION

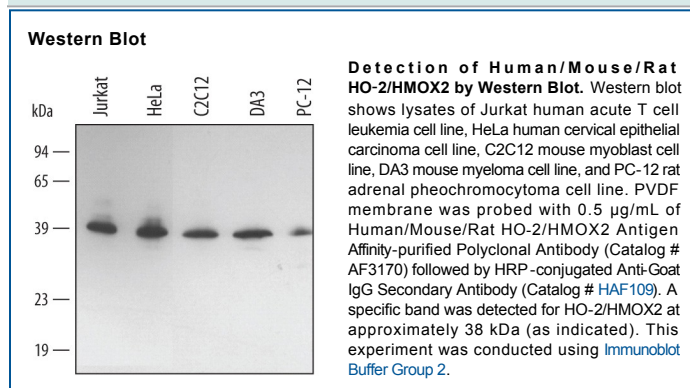
Species Reactivity	Human/Mouse/Rat
Specificity	The antibody is known to react with endogenous human, mouse, and rat HO-2 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human HO-2/HMOX2 Met1-Met316 Accession # P30519
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

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.

	Recommended Concentration	Sample
Western Blot	0.5 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month from date of receipt, 2 to 8 °C, reconstituted. ● 6 months from date of receipt, -20 to -70 °C, reconstituted.

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.