

DESCRIPTION

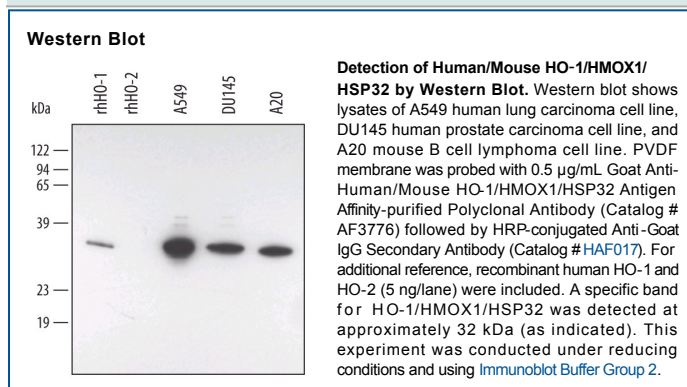
Species Reactivity	Human/Mouse
Specificity	Detects human and mouse HO-1/HMOX1/HSP32 in Western blots. In Western blots, less than 1% cross-reactivity with recombinant human HO-2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human HO-1/HMOX1/HSP32 Met1-Thr261 Accession # P09601
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	Use a manual frost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Heme Oxygenase 1 (HO-1), also known as HMOX1 and Heat Shock Protein 32 (HSP32), is a 32 kDa microsomal enzyme required for the metabolism of heme to biliverdin. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1 (HO-1/HMOX1) and a constitutive heme oxygenase-2 (HO-2/HMOX2). HO-1 expression is induced by heme and other non-heme compounds. Human HO-1 shares 82% amino acid sequence identity with mouse HO-1.