

## Heme Oxygenase-1 (HO-1) Polyclonal Antibody

**CATALOG #:** 3391-100

**AMOUNT:** 100 µg

**LOT #:** \_\_\_\_\_

**IMMUNOGEN:** Synthetic peptide surrounding amino acid near the N-terminus of human HO-1 (Internal ID# BV-559)

**SPECIES REACTIVITY:** human, mouse, rat, hamster, monkey, rabbit, bovine

**FORMULATION:**

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

**STORAGE CONDITIONS:**

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

**BACKGROUND:**

Heme oxygenase-1 (HO-1) or HSP32 is the inducible isoform of heme oxygenase which catalyzes the NADPH, O<sub>2</sub> and cytochrome P450 reductase dependent oxidation of heme to carbon monoxide, iron and biliverdin that is immediately reduced to bilirubin. To date, three heme oxygenase isoforms HO-1, HO-2 and HO-3 have been identified.

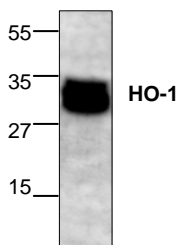
**SPECIFICITY:**

The antibody recognizes ~32-35 kDa Heme-Oxygenase-1. Jurkat cell lysate can be used as a positive control. Blocking peptide (3391BP-50) is available separately.

**APPLICATION:**

The antibody has been used in Western blotting (0.5-2 µg/ml). Based on researchers feedback, it also works in immunoprecipitation (10-20 µg/ml), and immunohistochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually.

**USAGE:** For Research Use Only. Not to be used in humans.



**Cat.#: 3391-100**  
Western blot analysis of HO-1 expression in Jurkat cell lysate.

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