

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

<b>CATALOG #:</b>	3391-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid near the N-terminus of human HO-1 (Internal ID# BV-559)
<b>SPECIES REACTIVITY:</b>	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:

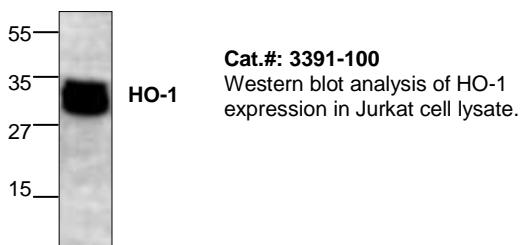
Heme oxygenase-1 (HO-1) or HSP32 is the inducible isoform of heme oxygenase which catalyzes the NADPH, O<sub>2</sub> and cytochrome P450 reductase dependent oxidation of heme to carbon monoxide, iron and biliverdin that is immediately reduced to bilirubin. To date, three heme oxygenase isoforms HO-1, 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 feed back, it also works in immunoprecipitation (10-20 µg/ml), and immunohistochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually.



**FOR RESEARCH USE ONLY! Not to be used on humans.**

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