For research purposes only, not for human use

Product Data Sheet

Anti-HO-1 Antibody

Catalog #	Source	Reactivity	Applications
CQA2005	Rabbit	H, M, R	WB, IH, IF/IC, IP

Description	Rabbit polyclonal antibody to HO-1
Immunogen	Recombinant full length protein of human HO-1
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of HO-1 protein.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/2000), IH (1/50 - 1/200), IF/IC (1/50 - 1/200), IP (1/20 - 1/50)
Gene Symbol	HMOX1
Alternative Names	HO; HO1; Heme oxygenase 1; HO-1
Entrez Gene	3162 (Human); 15368 (Mouse); 24451 (Rat)
SwissProt	P09601 (Human); P14901 (Mouse); P06762 (Rat)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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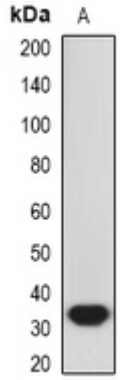
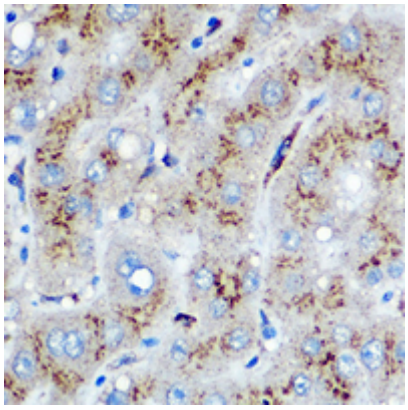
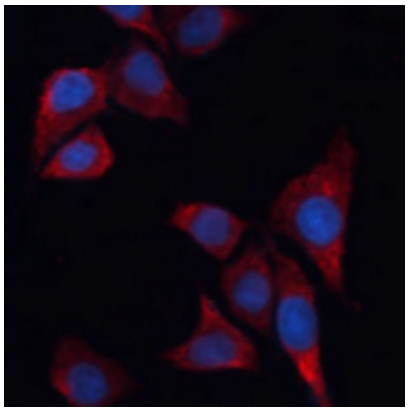


Western blot analysis of HO-1 expression in A549 (A) whole cell lysates. (Predicted band size: 32 kD; Observed band size: 33 kD)



Immunohistochemical analysis of HO-1 staining in human liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of HO-1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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