

## Product datasheet for **TA336833**

### Heme Oxygenase 1 (HMOX1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC
Recommended Dilution:	Immunohistochemistry-Paraffin: 1:200, Immunohistochemistry: 1:200, Immunocytochemistry/ Immunofluorescence: 1:100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A synthetic peptide made to a C-terminal portion of the human Heme Oxygenase 1 protein (between residues 225-275) [UniProt P09601]
Formulation:	PBS, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	heme oxygenase 1
Database Link:	<a href="#">NP_002124</a> <a href="#">Entrez Gene 15368 Mouse</a> <a href="#">Entrez Gene 24451 Rat</a> <a href="#">Entrez Gene 3162 Human P09601</a>
Background:	HO-1 (also know as Heme oxygenase-1, HMOX1, HSP32), a member of the heme oxygenase family, is an enzyme for heme catabolism and cleaves heme to form biliverdin. This inducible protein reacts from hypoxia, cytokines, and oxidative stress. HO-1 is itself an antioxidant that protects cells from ROS (reactive oxygen species) by regulating ROS levels. HO-1 has been shown to inhibit the pathogenesis of immune related inflammatory diseases as well as cardiovascular disease (CVD).
Synonyms:	bK286B10; HMOX1D; HO-1; HSP32



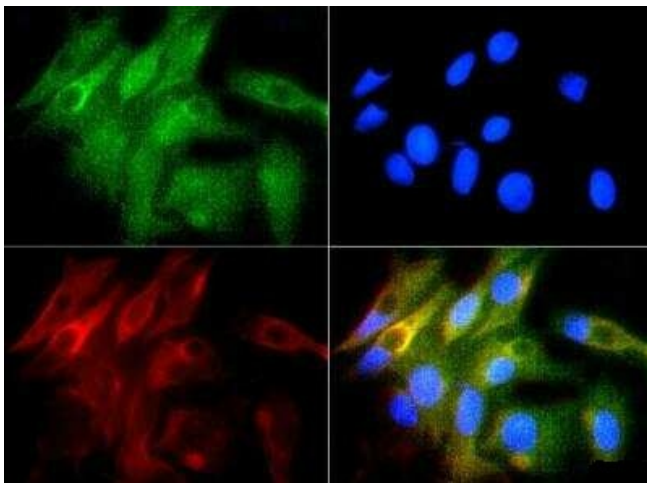
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**Note:** This Heme Oxygenase 1 antibody is useful for Immunocytochemistry/Immunofluorescence and IHC-paraffin embedded sections.

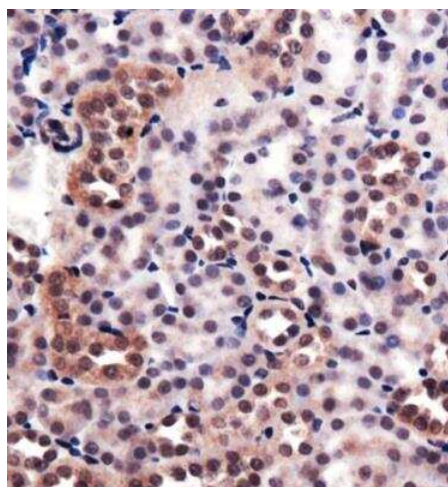
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Porphyrin and chlorophyll metabolism

**Product images:**



Immunocytochemistry/Immunofluorescence: HO-1/HMOX1/HSP32 Antibody TA336833 - HepG2 cells with FITC (green). Nuclei were counterstained with DAPI (blue).



Immunohistochemistry: HO-1/HMOX1/HSP32 Antibody TA336833 - Analysis of Heme Oxygenase 1 in mouse kidney using DAB with hematoxylin counterstain.