

## Product datasheet for **TA327035**

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

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human HMOX1
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
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</a> <a href="#">P09601</a>

**Background:** Heme oxygenase (HO) is the rate-limiting enzyme in the catabolism of heme that results in the release of carbon monoxide, iron, and biliverdin. The products of this enzymatic reaction play important biological roles in antioxidant, anti-inflammatory and cytoprotective functions. Heme oxygenase comprises two isozymes, including the constitutively expressed HO-2 isozyme and the inducible HO-1 isozyme. Inducible HO-1 is expressed as an adaptive response to several stimuli, including heme, metals, and hormones. The induction of HO-1 has been implicated in numerous disease states, such as transplant rejection, hypertension, atherosclerosis, Alzheimer disease, endotoxic shock, diabetes, inflammation, and neurological disorders.



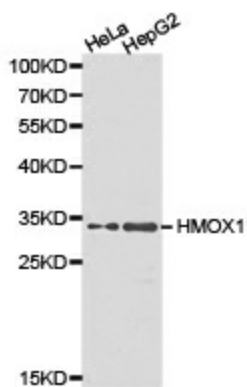
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**Synonyms:** bK286B10; HMOX1D; HO-1; HSP32

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Porphyrin and chlorophyll metabolism

**Product images:**



Western blot analysis of extracts of various cell lines, using HMOX1 antibody.