

## Product datasheet for **TA384444**

### Heme Oxygenase 1 (HMOX1) Rabbit Monoclonal Antibody [Clone ID: R02-6C1]

#### Product data:

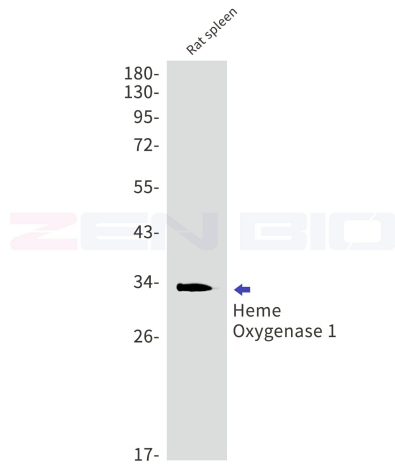
Product Type:	Primary Antibodies
Clone Name:	R02-6C1
Applications:	IF, IHC, IP, WB
Recommended Dilution:	WB: 1/1000 IHC: 1/50 ICC/IF: 1/50 IP: 1/20
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant protein of mouse Heme Oxygenase 1
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 33 kDa; Observed MW: 33 kDa
Gene Name:	heme oxygenase 1
Database Link:	<a href="#">Entrez Gene 3162 Human P09601</a>
Background:	Swiss-Prot Acc.P09601.Heme oxygenase cleaves the heme ring at the alpha methene bridge to form biliverdin. Biliverdin is subsequently converted to bilirubin by biliverdin reductase. Under physiological conditions, the activity of heme oxygenase is highest in the spleen, where senescent erythrocytes are sequestered and destroyed. Exhibits cytoprotective effects since excess of free heme sensitizes cells to undergo apoptosis.



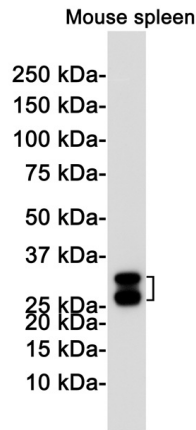
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Synonyms: bK286B10; HO; HO-1; HO1; HSP32

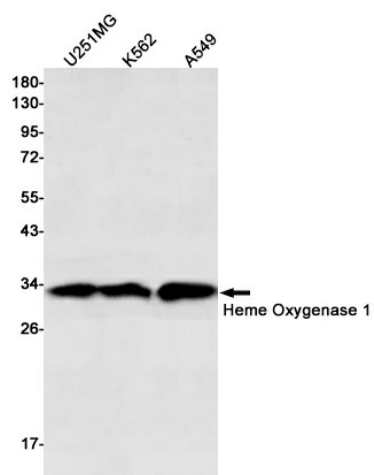
**Product images:**



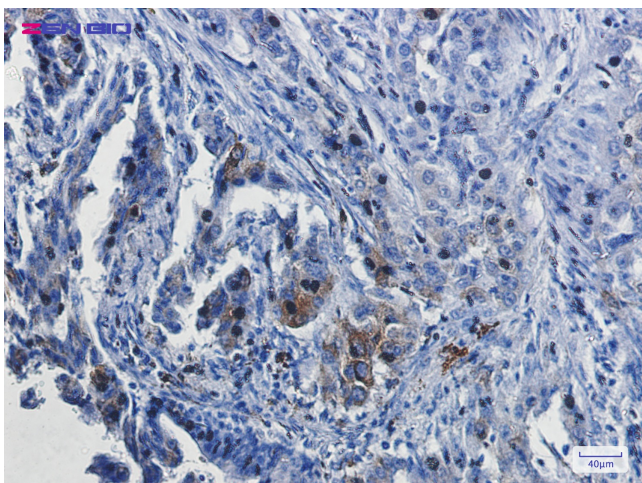
Western blot detection of Heme Oxygenase 1 in Rat spleen lysates using Heme Oxygenase 1 antibody. Predicted band size: 33kDa. Observed band size: 33kDa.



Western blot detection of Heme Oxygenase 1 in Mouse spleen lysates using Heme Oxygenase 1 Rabbit mAb (1:1000 diluted). Predicted band size: 33kDa. Observed band size: 33kDa.



Western blot detection of Heme Oxygenase 1 in U251MG, K562, A549 cell lysates using Heme Oxygenase 1 Rabbit mAb (1:500 diluted). Predicted band size: 33 kDa. Observed band size: 33 kDa.



Immunohistochemistry of Heme Oxygenase 1 in paraffin-embedded Human lung cancer tissue using Heme Oxygenase 1 Rabbit mAb at dilution 1/5.