
Product Name: KD-Validated Heme Oxygenase 2 Mouse Monoclonal Antibody**Catalog #: KVA00432**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:200-1:1,000
Molecular Weight	Calculated MW: 36.0kDa

Antigen Information

Gene Name	HMOX2
Alternative Names	HMOX2; Heme Oxygenase 2; HO-2; Heme Oxygenase (Decycling) 2; EC 1.14.14.18; EC 1.14.99.3; HO2
Gene ID	3163.0
SwissProt ID	P30519
Immunogen	Recombinant protein of human HMOX2

Background

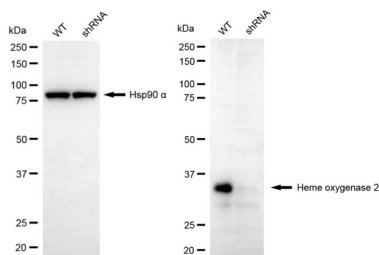
Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1

and a constitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family. Several alternatively spliced transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq, Oct 2013]

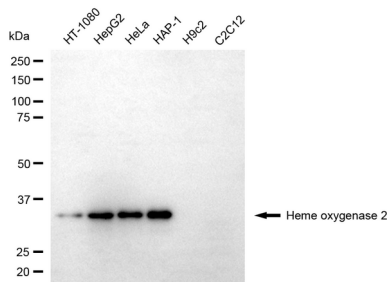
Research Area

Metabolism

Image Data



Western blotting analysis using heme oxygenase 2 antibody (KVA00432). Heme oxygenase 2 expression in wild-type (WT) and heme oxygenase 2 (HMOX2) shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with heme oxygenase 2 antibody (KVA00432, 1:500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using heme oxygenase 2 antibody (KVA00432). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with heme oxygenase 2 antibody (KVA00432, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.