

HMOX2 monoclonal antibody (M01), clone 1D8-1A8

Catalog # : H00003163-M01

規格 : [100 ug]

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Specification

Product Description: Mouse monoclonal antibody raised against a full length recombinant HMOX2.

Immunogen: HMOX2 (AAH02396, 1 a.a. ~ 316 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

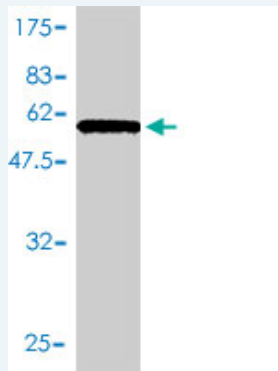
Sequence:
 MSAEVETSEGVDESEKKNNGALEKENQMRMADLSELLKEGTKEAHDR
 ENTQFVKDFLKGNIKKELFKLATTALYFTYSALEEEEMERNKDHPAFAPLY
 FPMELHRKEALTKDMEYFFGENWEEQVQCPKAAQKYVERIHIGQNEPE
 LLVAHAYTRYMGDLSGGQVLKVAQRALKLPSTGEGTQFYLFENVDNA
 QQFKQLYRARMNALDLNMKTKERIVEEANKAFEYNMQIFNELDQAGSTL
 ARETLEDGFPVHDGKGDMRKCPFYAAEQDKGALEGSSCPFRTAMAVL
 RKPSLQFILAAGVALAAGLLAWYYM

Host: Mouse

Reactivity: Human

Isotype: IgG1 kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (60.5 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

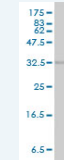
Publication Reference

1. [Anti-apoptotic properties of carbon monoxide in porcine oocyte during in vitro aging.](#) Němeček D, Dvořáková M, Heroutová I, Chmelíková E, Sedmíková M. PeerJ. 2017 Oct 6;5:e3876.

Applications

Application Image

Western Blot (Tissue lysate)



[enlarge](#)

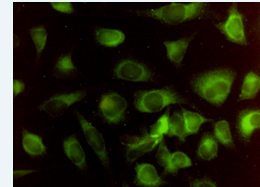
Western Blot (Cell lysate)



[enlarge](#)

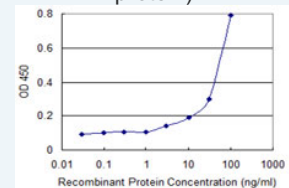
Western Blot (Recombinant protein)

Immunofluorescence



[enlarge](#)

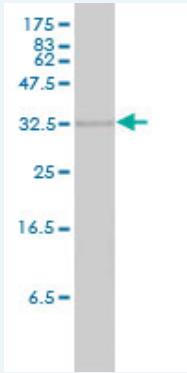
Sandwich ELISA (Recombinant protein)




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ELISA

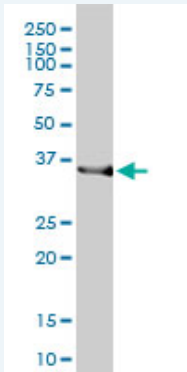
Western Blot (Tissue lysate)




HMOX2 monoclonal antibody (M01), clone 1D8-1A8. Western Blot analysis of HMOX2 expression in human spleen.

 [Protocol Download](#)

Western Blot (Cell lysate)



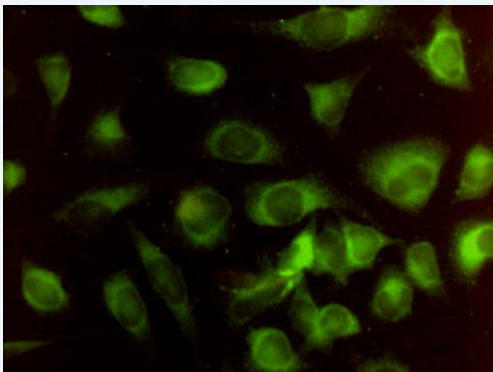
HMOX2 monoclonal antibody (M01), clone 1D8-1A8 Western Blot analysis of HMOX2 expression in HepG2 (Cat # L019V1).


 [Protocol Download](#)

Western Blot (Recombinant protein)

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Immunofluorescence

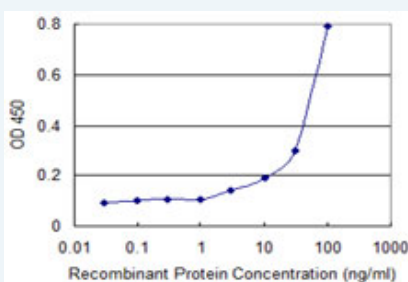


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Immunofluorescence of monoclonal antibody to HMOX2 on HeLa cell. [antibody concentration 1 ~ 10 ug/ml]

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged HMOX2 is 1 ng/ml as a capture antibody.

ELISA

Gene Information

Entrez GeneID: [3163](#)**GeneBank
Accession#:** [BC002396](#)**Protein
Accession#:** [AAH02396](#)**Gene Name:** HMOX2**Gene Alias:** HO-2**Gene
Description:** heme oxygenase (decycling) 2**Omim ID:** [141251](#)**Gene Ontology:** [Hyperlink](#)

Gene Summary: 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. Alternative splice variants encoding the same protein have been identified at this locus. [provided by RefSeq]

**Other
Designations:** heme oxygenase (decycling) 2**Gene Pathway**

[Porphyrin and chlorophyll metabolism](#)**Related Disease**

[Alzheimer Disease](#) [Alzheimer disease](#) [Cognition](#) [Coronary Artery Disease](#)
[Genetic Predisposition to Disease](#) [Hypertension](#)