

Product datasheet for **TA503818M**

Heme oxygenase 2 (HMOX2) Mouse Monoclonal Antibody [Clone ID: OTI4B2]

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI4B2 |
| Applications: | FC, WB |
| Recommended Dilution: | WB 1:2000, FLOW 1:100 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human HMOX2(NP_002125) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.65 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 35.9 kDa |
| Gene Name: | heme oxygenase 2 |
| Database Link: | NP_002125 Entrez Gene 15369 Mouse Entrez Gene 79239 Rat Entrez Gene 3163 Human P30519 |


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

Synonyms:

HO-2

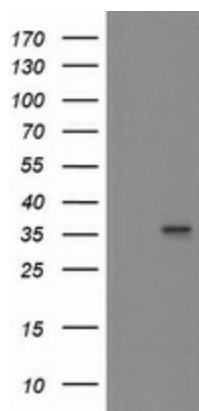
Protein Families:

Transmembrane

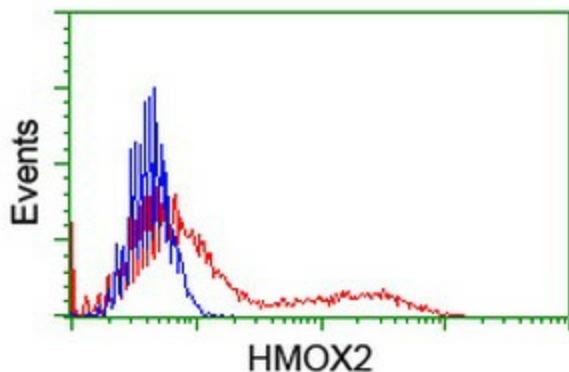
Protein Pathways:

Porphyrin and chlorophyll metabolism

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HMOX2 ([RC201777], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HMOX2. Positive lysates [LY419512] (100ug) and [LC419512] (20ug) can be purchased separately from OriGene.



HEK293T cells transfected with either [RC201777] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-HMOX2 antibody ([TA503818]), and then analyzed by flow cytometry.