



Anti-HMOX2 (full length) polyclonal antibody (DPAB-DC1578)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | 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. |
| Immunogen | HMOX2 (AAH02396, 1 a.a. ~ 316 a.a) full-length recombinant protein with GST tag. The sequence is MSAEVETSEGVDSEKKNSGALEKENQMRMADLSELLKEGTKEAHDRAENTQFVKDFLKG NIKKELFKLATTALYFTYSALEEMERNKDHPAFAPLYFPMELHRKEALTQDMEYFFGEN WEEQVQCPKAAQKYVERIHYIGQNEPELLVAHAYTRYMGDLGGQVLKKVAQRALKLPST GEGTQFYLFENVDNAQQFKQLYRARMNALDLNMKTKERIVEEANKAFEYNMQIFNELDQA GSTLARETLEDGFPVHDGKGDMRKCPFYAAEQDKGALEGSSCPFRTAMAVLRKPSLQFIL AAGVALAAGLLAWYYM |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | WB (Recombinant protein), ELISA, |
| Size | 50 µl |
| Buffer | 50 % glycerol |
| Preservative | None |

Storage

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

GENE INFORMATION

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| Gene Name | HMOX2 heme oxygenase (decycling) 2 [Homo sapiens (human)] |
| Official Symbol | HMOX2 |
| Synonyms | HMOX2; heme oxygenase (decycling) 2; HO-2; heme oxygenase 2; |
| Entrez Gene ID | 3163 |
| Protein Refseq | NP_001120676 |
| UniProt ID | P30519 |
| Chromosome Location | 16p13.3 |
| Pathway | Heme degradation; Metabolism; Mineral absorption; Transmembrane transport of small molecules. |
| Function | heme oxygenase (decyclizing) activity; metal ion binding; protein binding; |
