



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

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

PRODUCT INFORMATION

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
 MSAEVETSEGVDESEKKNSGALEKENQMRMADLSELLKEGTKEAHDRAENTQFVKDFLKG
 NIKKELFKLATTALYFTYSALEEEMERNKDHPAFAPLYFPMELHRKEALTKDMEYFFGEN
 WEEQVQCPKAAQKYVERIHIGQNEPELLVAHAYTRYMGDLGGQVLKKVAQRALKLPST
 GEGTQFYLFENVDNAQQFKQLYRARMNALDLNMKTKERIVEEANKAFEYNMQIFNELDQA
 GSTLARETLEDGFPVHDGKGDMRKCPFYAAEQDKGALEGSSCPFRRTAMAVLRKPSLQFIL
 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

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;
