



Anti-HMOX1 (full length) polyclonal antibody (DPAB-DC1575)

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.

Immunogen HMOX1 (AAH01491, 1 a.a. ~ 288 a.a) full-length recombinant protein with GST tag. The sequence is
MERPQPDSMPQDLSEALKEATKEVHTQAENAEFMRNFQKGQVTRDGFKLVMASLYHIYVA
LEEEIERNKESPVFAPVYFPEELHRKAALEQDLAFWYGPRWQEVIPYTPAMQHYYVKRLHE
VGRTEPELLVAHAYTRYLGDLSGGQVLKKIAQKALDLPSSGEGLAFFTFPNIASATKFKQ
LYRSRMNSLEMTPAVRQRVIEEAKTAFLLNIQLFEELQELLTHDTKDQSPSRAPGLRQRA
SNKVQDSAPVETPRGKPPLNTRSQAPLLRWVLTLSFLVATVAVGLYAM

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	HMOX1 heme oxygenase (decycling) 1 [Homo sapiens (human)]
Official Symbol	HMOX1
Synonyms	HMOX1; heme oxygenase (decycling) 1; HO-1; HSP32; HMOX1D; bK286B10; heme oxygenase 1; heat shock protein, 32-kD;
Entrez Gene ID	3162
Protein Refseq	NP_002124
UniProt ID	P09601
Chromosome Location	22q13.1
Pathway	HIF-1 signaling pathway; Heme degradation; Keap1-Nrf2 Pathway; Metabolism of porphyrins
Function	enzyme binding; heme binding; heme oxygenase (decyclizing) activity; metal ion binding