



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 LEEEIERNKESPVFAPVYFPEELHRKAALEQDLAFWYGPRWQEVIPYTPAMQHYVKRLHE VGRTEPELLVAHAYTRYLGDLGGQVLKKIAQKALDLPSSGEGLAFFTPNIASATKFKQ LYRSRMNSLEMTPAVRQRVIEEAKTAFLLNQIQLFEELQELLTHDTKDQSPSRAPGLRQRA SNKVQDSAPVETPRGKPPLNTRSQAPLLRWVLTSLFLVATVAVGLYAM
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