

Product datasheet for **AP52064PU-N**

Heme Oxygenase 1 (HMOX1) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Flow Cytometry: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 184-212 amino acids from the Central region of Human Heme oxygenase 1 / HMOX1
Specificity:	This antibody recognizes Human Heme oxygenase 1 / HMOX1 (Center).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	heme oxygenase 1
Database Link:	Entrez Gene 3162 Human P09601



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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.

Synonyms:

HO-1, HO, HO1

Note:

Molecular Weight: 32819 Da

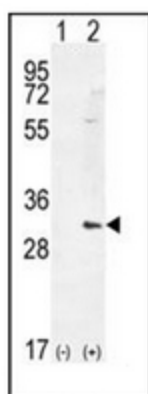
Protein Families:

Druggable Genome, Transmembrane

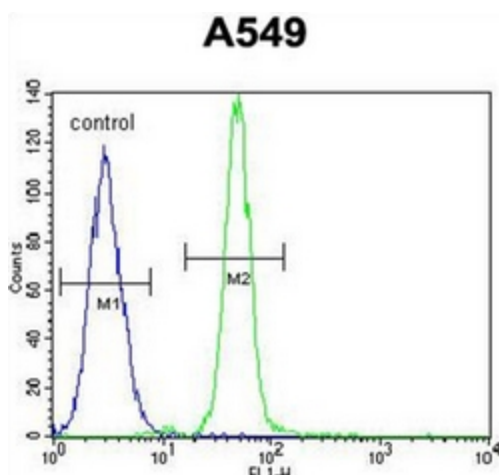
Protein Pathways:

Porphyrin and chlorophyll metabolism

Product images:



Western blot analysis of HMOX1 (arrow) using Heme oxygenase 1 / HMOX1 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HMOX1 gene.



Flow cytometric analysis of A549 cells using Heme oxygenase 1 / HMOX1 Antibody (Center) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.