

Product datasheet for **AP22896PU-N**

Heme Oxygenase 1 (HMOX1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 10 µg/ml. Western Blot: 1/1000.
Reactivity:	Canine, Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant Rat HO-1 (Hsp32) lacking the membrane spanning region
Specificity:	This antibody recognizes Heme Oxygenase 1 (HMOX1).
Formulation:	PBS containing 50% Glycerol and 0.09% Sodium Azide State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	heme oxygenase 1
Database Link:	Entrez Gene 15368 Mouse Entrez Gene 24451 Rat Entrez Gene 3162 Human P09601
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

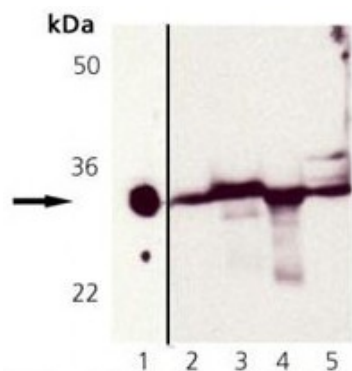


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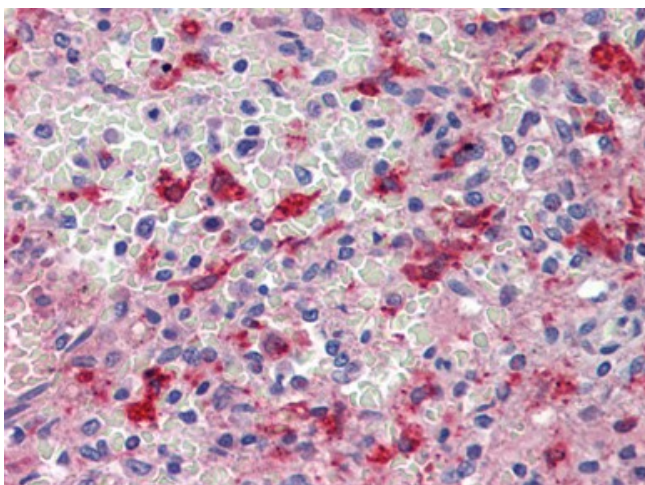
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Porphyrin and chlorophyll metabolism

Product images:



Western Blot Analysis of HO-1 Polyclonal Antibody: Lane 1: SPP-730, Lane 2: Human Liver Microsomes, Lane 3: Rat Liver Microsomes, Lane 4: Mouse Liver Microsomes, Lane 5: Canine Liver Microsomes.



Formalin-Fixed, Paraffin-Embedded Human Spleen stained with Heme oxygenase 1 / HMOX1 Antibody at 10 ug/ml after heat-induced antigen retrieval.