



Anti-Haptoglobin polyclonal antibody (CPBT-65891SH)

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

PRODUCT INFORMATION

Product Overview Sheep anti Human Haptoglobin antibody detects haptoglobin, also known as Hp, an acute phase plasma glycoprotein synthesized by the liver in response to infection or inflammation. Haptoglobin binds haemoglobin released by erythrocytes with high affinity, and functions to block the oxidative activity of haemoglobin and prevent renal damage. The haptoglobin-haemoglobin complex is rapidly removed from the circulation by monocytes and macrophages, via the receptor CD163. The haptoglobin genotype has been demonstrated to be an independent risk factor for cardiovascular disease in multiple epidemiological studies.

Specificity	HP
Target	Haptoglobin
Immunogen	Native, purified human haptoglobin
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA
Format	Purified IgG - liquid
Size	1 ml
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid

repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	HP haptoglobin [Homo sapiens (human)]
Official Symbol	HP
Synonyms	HP; haptoglobin; BP; HPA1S; HP2ALPHA2; zonulin; binding peptide; haptoglobin alpha(1S)-beta; haptoglobin alpha(2FS)-beta; haptoglobin, beta polypeptide; haptoglobin, alpha polypeptide;
Entrez Gene ID	3240
Protein Refseq	NP_001119574
UniProt ID	P00738
Chromosome Location	16q22.2
Pathway	Binding and Uptake of Ligands by Scavenger Receptors; Scavenging of heme from plasma; amb2 Integrin signaling;
Function	antioxidant activity; catalytic activity; hemoglobin binding; protein binding;