



## Anti-Haptoglobin polyclonal antibody [HRP] (CPBT-65890SH)

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.

<b>Specificity</b>	HP
<b>Target</b>	Haptoglobin
<b>Immunogen</b>	Native, from serum
<b>Isotype</b>	IgG
<b>Source/Host</b>	Sheep
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	HRP
<b>Applications</b>	ELISA
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	1 ml
<b>Preservative</b>	None
<b>Storage</b>	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.

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## GENE INFORMATION

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