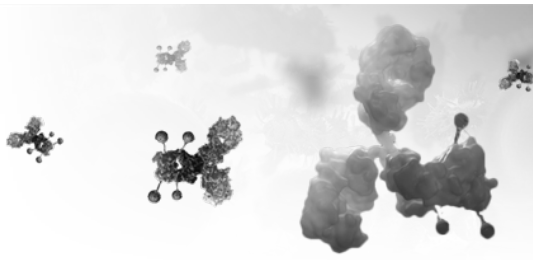

Rabbit Anti-Haptoglobin monoclonal antibody, clone KN21-80 (CABT-L914)

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

PRODUCT INFORMATION

Target	Haptoglobin
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KN21-80
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC, ICC/IF
Cellular Localization	Secreted.
Positive Control	Hela, HepG2, A549, human liver tissue, human lung tissue, mouse lung tissue, mouse liver tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Haptoglobin (Hp) is a blood plasma protein that functions to bind free Hemoglobin that has been released from erythrocytes, thereby inhibiting its oxidative activity. During this process, Haptoglobin sequesters the iron within Hemoglobin, preventing iron-utilizing bacteria from benefitting from hemolysis. This function suggests that Haptoglobin concentrations may increase in response to inflammation. The resulting Haptoglobin-Hemoglobin complex is then removed by the reticulo-endothelial system. Due to cleavage of a common precursor protein during protein synthesis, Haptoglobin consists of two α and two β chains, connected by disulfide bridges. In human, Haptoglobin exists in two allelic forms designated Haptoglogin 1 (Hp1) and Haptoglobin 2 (Hp2), where Hp2 is the result of a partial Hp1 gene duplication. There are three known phenotypes of human Haptoglobin: Hp1-1, Hp2-1 and Hp2-2, which may be associated with diabetes and cardiovascular disease pathology and a susceptibility to Parkinson's and Crohn's disease. Haptoglobin levels are useful in diagnosing hemolytic anemia, the abnormal breakdown of red blood cells. Haptoglobin is expressed in mammalian hepatocytes as well as other tissues such as skin, lung and kidney.
Keywords	Binding peptide;BP;Haptoglobin alpha chain;Haptoglobin alpha(1S) beta;Haptoglobin alpha(2FS) beta;Haptoglobin beta chain;Haptoglobin, alpha polypeptide;Haptoglobin, beta polypeptide;HP;HP2 ALPHA2;HP2ALPHA2;HPA1S;HPT;HPT_HUMAN;MGC111141;Zonulin antibody

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