Product **Datasheet**

Anti-Haptoglobin Rabbit pAb

WLA0664

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Haptoglobin Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	WB 1:1000-1:2000 IHC、IF 1:100-1:500
Cellular localization	Secreted.
Pack size	50/100/200/500/1000μl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

Haptoglobin (Hp), also known as zonulin, is an important member of the peptidase S1 family and a glycoprotein widely present in plasma. The core biological function of Hp is to bind free hemoglobin in plasma: on the one hand, Hp hemoglobin complex can be recognized and broken down by degrading enzymes, achieving the recycling of heme iron; On the other hand, the complex can prevent iron loss through the kidneys and avoid direct damage to the kidneys caused by free hemoglobin. Hp also has antioxidant activity and can eliminate reactive oxygen species in the body; Meanwhile, Hp, as an acute phase response protein, participates in regulating multiple aspects of acute inflammatory response. The glycosylation modification mode of Hp is closely related to the disease status, and there are significant differences in the dominant glycosylation structure of Hp in different diseases: highly fucosylated Hp is dominant in patients with breast cancer and ovarian cancer, the proportion of highly sialylated Hp is increased in patients with Crohn's disease, and highly branched glycosylation structure is dominant in patients with alcoholic liver disease; Among them, fucosylated Hp is a potential serum marker of pancreatic cancer.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Haptoglobin.

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

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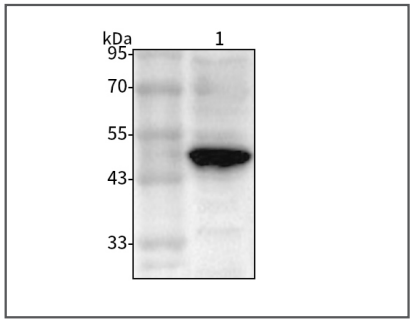
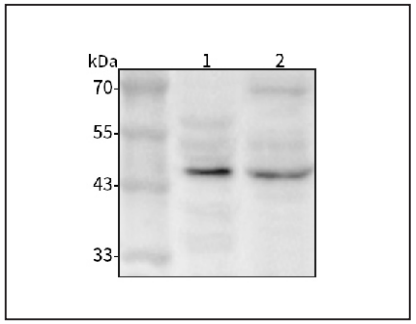
Product Images



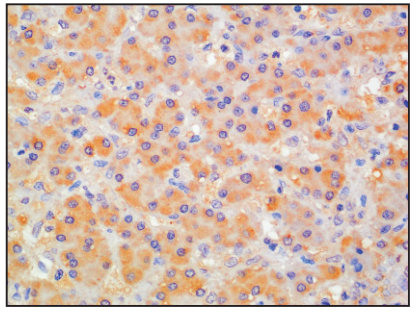
Western blot-Anti-Haptoglobin pAb

Lane 1: Human liver cancer tissue lasate
All lanes: Anti-Haptoglobin at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 45 kDa
Observed band size: 45 kDa



Western blot-Anti-Haptoglobin pAb

Lane 1: Mouse liver tissue lysate
Lane 2: Rat liver tissue lysate
All lanes: Anti-Haptoglobin at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 45 kDa
Observed band size: 45 kDa



Immunohistochemistry-Anti-Haptoglobin pAb

Immunohistochemical analysis of paraffin-embedded human liver cancer using anti-Haptoglobin Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

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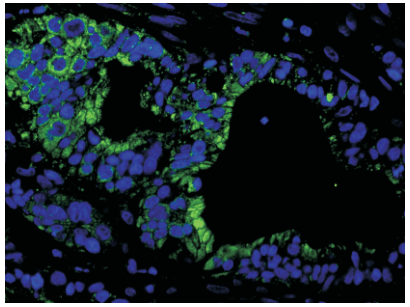

Immunofluorescence-Anti-Haptoglobin pAb

Immunofluorescence analysis of paraffin-embedded human colon cancer using anti-Haptoglobin Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0