Data Sheet (Cat.No.TMAC-01755)

TargetMol

Anti-Haptoglobin Antibody (8N175)

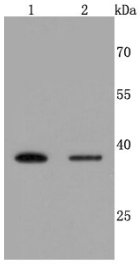
Product Details

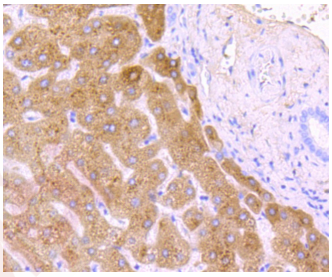
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 45/38 kDa.
Clone:	8N175
Purification:	ProA affinity purified

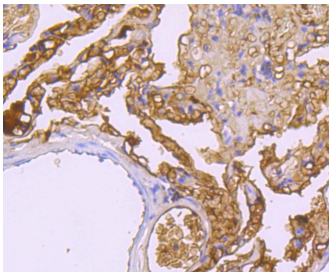
Applications

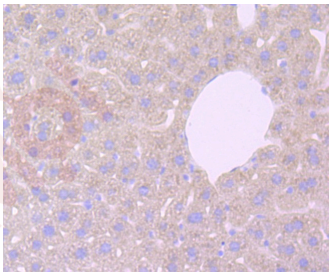
Verified Activity:

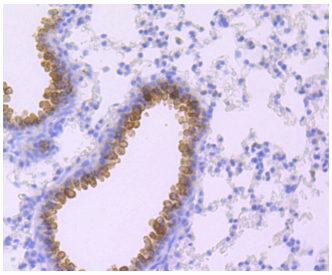
1. Western blot analysis of Haptoglobin on different cells lysates using anti-Haptoglobin antibody at 1/500 dilution. Positive control: Lane 1: Hela, Lane 2: HepG2.
2. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Haptoglobin antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-Haptoglobin antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-Haptoglobin antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-Haptoglobin antibody. Counter stained with hematoxylin.
6. ICC staining Haptoglobin in A549 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. ICC staining Haptoglobin in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. ICC staining Haptoglobin in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

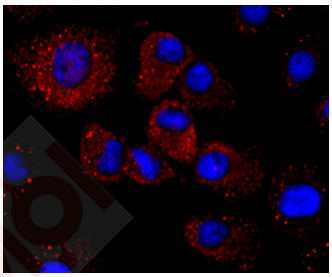


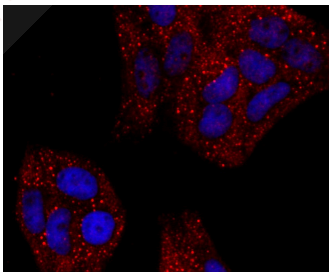


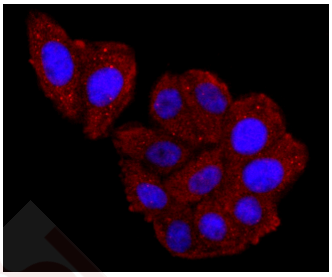












Application:	ICC/IF,IHC,WB
Recommended	WB: 1:500-2000; IHC: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P00738

Synonyms: Zonulin;Haptoglobin;HP

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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