

Recombinant

DGRmAb®

Haptoglobin (DGR20954) Rabbit mAb

db12749

Package : 10µL 20µL 50µL 100µL

Product Name : Haptoglobin (DGR20954) Rabbit mAb**Cat.No.:** db12749**Synonyms :** BP; HPA1S; HP2ALPHA2**Application :** WB, IHC-P, FC**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**Background**

This gene encodes a preproprotein, which is processed to yield both alpha and beta chains, which subsequently combine as a tetramer to produce haptoglobin. Haptoglobin functions to bind free plasma hemoglobin, which allows degradative enzymes to gain access to the hemoglobin, while at the same time preventing loss of iron through the kidneys and protecting the kidneys from damage by hemoglobin. Mutations in this gene and/or its regulatory regions cause ahaptoglobinemia or hypohaptoglobinemia. This gene has also been linked to diabetic nephropathy, the incidence of coronary artery disease in type 1 diabetes, Crohn's disease, inflammatory disease behavior, primary sclerosing cholangitis, susceptibility to idiopathic Parkinson's disease, and a reduced incidence of Plasmodium falciparum malaria. The protein encoded also exhibits antimicrobial activity against bacteria. A similar duplicated gene is located next to this gene on chromosome 16. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2014]

Immunogen

Recombinant protein of human Haptoglobin

Gene ID

3240

Swiss Prot

P00738

Synonyms

BP; HPA1S; HP2ALPHA2

Reactivity

Human,Mouse,Rat

Application

WB, IHC-P, FC

Recommended dilutionWB: 1:1000
IHC-P: 1:1000-1:5000
FC: 1:200-1:1000**Calculated MW**

39 kDa

Observed MW

39 kDa

Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR20954
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.
	Western blot analysis of extracts from Mouse lung tissue using db12749 at 1:1000.