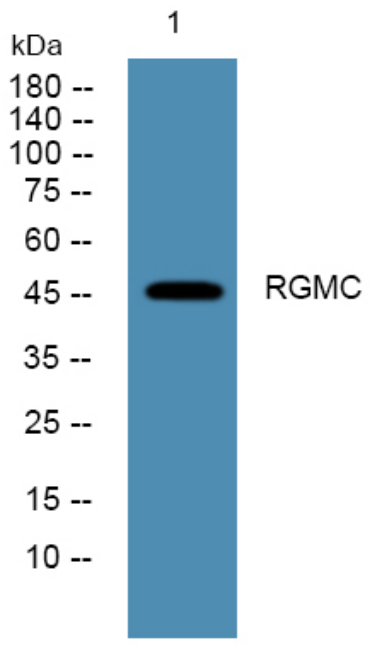
RGMC Polyclonal Antibody

Catalog No	BYab-07119
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	HFE2 HJV RGMC
Protein Name	Hemojuvelin (Hemochromatosis type 2 protein) (RGM domain family member C)
Immunogen	Synthesized peptide derived from human protein . at AA range: 270-350
Specificity	RGMC Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	46kD
Cell Pathway	Cell membrane ; Lipid-anchor, GPI-anchor . Also released in the extracellular space. .
Tissue Specificity	Adult and fetal liver, heart, and skeletal muscle.
Function	disease:Defects in HFE2 are the cause of hemochromatosis type 2A (HFE2A) [MIM:602390]; also called juvenile hemochromatosis (JH). JH is an early-onset autosomal recessive disorder due to severe iron overload resulting in hypogonadotrophic hypogonadism, hepatic fibrosis or cirrhosis and cardiomyopathy, occurring typically before age of 30. It is the consequence of intestinal iron hyperabsorption associated with macrophages that do not load iron. Deleterious mutations of HFE2 reduced HAMP (hepcidin) levels despite iron overload, which normally induces HAMP expression.,function:Involved in iron metabolism. May be a component of the signaling pathway which activates hepcidin (HAMP). May cooperate with hepcidin to restrict iron absorption in the gut. May act as a modulator of hepcidin expression, as deleterious mutations are associated with reduced hepcidin level. Could represent the cellular

Background	hemochromatosis type 2 (juvenile)(HFE2) Homo sapiens The product of this gene is involved in iron metabolism. It may be a component of the signaling pathway which activates hepcidin or it may act as a modulator of hepcidin expression. It could also represent the cellular receptor for hepcidin. Two uORFs in the 5' UTR negatively regulate the expression and activity of the encoded protein. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. Defects in this gene are the cause of hemochromatosis type 2A, also called juvenile hemochromatosis (JH). JH is an early-onset autosomal recessive disorder due to severe iron overload resulting in hypogonadotrophic hypogonadism, hepatic fibrosis or cirrhosis and cardiomyopathy, occurring typically before age of 30. [provided by RefSeq, Oct 2015],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4°over night