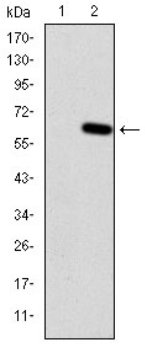
HFE Monoclonal Antibody

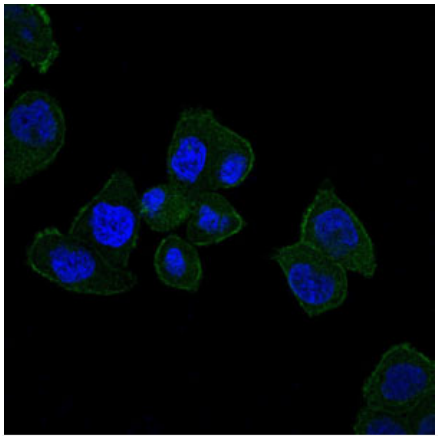
Catalog No	YP-Ab-13816
Isotype	IgG
Reactivity	Human
Applications	WB;IF;ELISA
Gene Name	HFE
Protein Name	Hereditary hemochromatosis protein
Immunogen	Purified recombinant fragment of human HFE expressed in E. Coli.
Specificity	HFE Monoclonal Antibody detects endogenous levels of HFE protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HFE; HLAH; Hereditary hemochromatosis protein; HLA-H
Observed Band	
Cell Pathway	Cell membrane ; Single-pass type I membrane protein .
Tissue Specificity	Expressed in all tissues tested except brain.
Function	alternative products:Additional isoforms seem to exist,disease:Defects in HFE are a cause of hereditary hemochromatosis (HH) [MIM:235200]. HH is an autosomal recessive inborn disorder of iron metabolism. It is the most common recessive disease in Caucasians. HH is characterized by abnormal intestinal iron absorption and progressive increase of total body iron, which results in midlife in clinical complications including cirrhosis, cardiopathy, diabetes, endocrine dysfunctions, arthropathy, and susceptibility to liver cancer. Since the disease complications can be effectively prevented by regular phlebotomies, early diagnosis is most important to provide a normal life expectancy to the affected subjects.,disease:Defects in HFE are a cause of porphyria variegata (PV) [MIM:176200]. Porphyrias are inherited defects in the biosynthesis of heme, resulting in the accumulation and increased excr
Background	The protein encoded by this gene is a membrane protein that is similar to MHC class I-type proteins and associates with beta2-microglobulin (beta2M). It is thought that this protein functions to regulate iron absorption by regulating the interaction of the transferrin receptor with transferrin. The iron storage disorder,

	hereditary haemochromatosis, is a recessive genetic disorder that results from defects in this gene. At least nine alternatively spliced variants have been described for this gene. Additional variants have been found but their full-length nature has not been determined. [provided by RefSeq, Jul 2008],
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 using HFE Monoclonal Antibody against HEK293 (1) and HFE-hIgGFc transfected HEK293 (2) cell lysate.



Immunofluorescence analysis of HepG2 cells using HFE Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye.