Datasheet for ABIN653652

anti-HFE2 antibody (C-Term)

2 Images

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Overview

Quantity:	400 µL
Target:	HFE2
Binding Specificity:	AA 308-338, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HFE2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This HFE2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 308-338 amino acids from the C-terminal region of human HFE2.
Clone:	RB22186
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HFE2
Alternative Name:	HFE2 (HFE2 Products)

Target Details

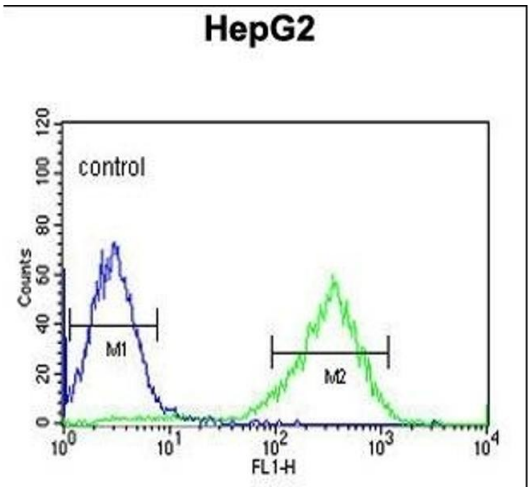
Background:	HFE2 is involved in iron metabolism. It may be a component of the signaling pathway which activates hepcidin or it may act as a modulator of hepcidin expression. It could also represent the cellular receptor for hepcidin. Alternatively spliced transcript variants encoding different isoforms 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.
Molecular Weight:	45080
Gene ID:	148738
NCBI Accession:	NP_660320, NP_973733, NP_998817, NP_998818
UniProt:	Q6ZVN8
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

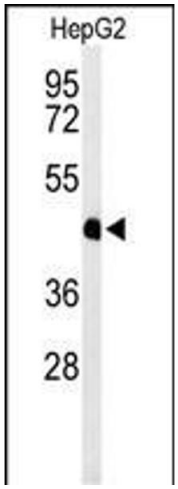
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. HFE2 Antibody (C-term) (ABIN653652 and ABIN2842993) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of HFE2 Antibody (C-term) (ABIN653652 and ABIN2842993) in HepG2 cell line lysates (35 µg/lane). HFE2 (arrow) was detected using the purified Pab.