

Datasheet

HFE2 polyclonal antibody (A01)

Catalog Number: H00148738-A01

Regulation Status: For research use only (RUO)

Product Description: Mouse polyclonal antibody raised against a partial recombinant HFE2.

Immunogen: HFE2 (NP_973733, 93 a.a. ~ 173 a.a) partial recombinant protein with GST tag.

Sequence:

GGCPPSQRLSRSENRNRGAIIDTARRLCKEGLPVED
AYFHSCVFDVLISGDPNFTVAAQAALEDARAFLPDLEK
LHLFPS

Host: Mouse

Reactivity: Human

Applications: ELISA, WB-Ce, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Storage Buffer: 50 % glycerol

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 148738

Gene Symbol: HFE2

Gene Alias: HFE2A, HJV, JH, MGC23953, RGMC

Gene Summary: 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. 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]

References:

1. Regulation of Type II Transmembrane Serine Proteinase TMPRSS6 by Hypoxia-inducible Factors: NEW LINK BETWEEN HYPOXIA SIGNALING AND IRON HOMEOSTASIS. Lakhal S, Schodel J, Townsend AR, Pugh CW, Ratcliffe PJ, Mole DR. J Biol Chem. 2011 Feb 11;286(6):4090-7. Epub 2010 Oct 21.