

Rabbit HFE2 Polyclonal Antibody | anti-HFE2 antibody

HFE2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326993	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

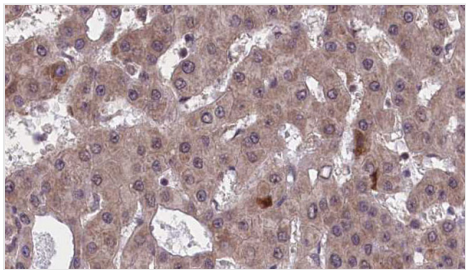
PRODUCT SYNONYMS

HFE2; Polyclonal Antibody; HFE2 Antibody; 2310035L15Rik; 5230400G09Rik; AI414844; AI789733; DL M; Haemojuvelin; HEMOCHROMATOSIS; HEMOCHROMATOSIS DUE TO DEFECT IN HEMOJUVELIN; HEMOCHROMATOSIS DUE TO DEFECT IN HEPCIDIN ANTIMICROBIAL PEPTIDE; HEMOCHROMATOSIS JUVENILE; Hemochromatosis type 2 (juvenile); Hemochromatosis type 2; Hemochromatosis type 2 protein; Hemochromatosis type 2 protein homolog; TYPE 2A; TYPE 2B; Hemojuvelin; HFE 2; Hfe2; HFE2A; HJV; JH; Juvenile; MGC23953; OTTHUMP00000059680; Repulsive guidance molecule c; RGM C; RGM domain family member C; RGMC; anti-HFE2 antibody

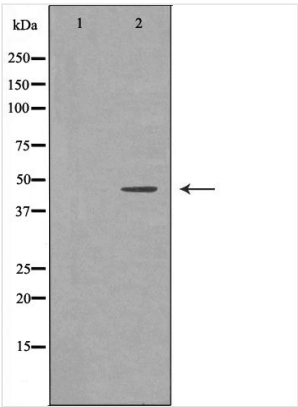
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HFE2 antibody detects endogenous levels of total HFE2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	200
Applicable Applications for anti-HFE2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HFE2
Subcellular Location	Cell Membrane; Lipid-Anchor, GPI-Anchor
Tissue Specificity	Adult and fetal liver, heart, and skeletal muscle.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326993 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Mouse liver tissue lysates, using HFE2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-HFE2 antibody	Description: 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. Function: Acts as a bone morphogenetic protein (BMP) coreceptor. Through enhancement of BMP signaling regulates hepcidin (HAMP) expression and regulates iron homeostasis. Subunit Structure: Interacts with BMP2 and BMP4 (By similarity). Interacts with BMPR1B. Interacts with Tmprss6. Post-translational Modifications: Autocatalytically cleaved at low pH; the two chains remain linked via two disulfide bonds. Also proteolytically processed by Tmprss6, several fragments being released in the extracellular space; regulates HFE2 activity in BMP signaling and therefore iron homeostasis. Similarity: Belongs to the repulsive guidance molecule (RGM) family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	942429604
NCBI GeneID	148738
NCBI Accession #	NP_001303696.1
NCBI GenBank Nucleotide #	NM_001316767.1
UniProt Accession #	Q6ZVN8; Q2PQ63; Q6IMF6; Q8NAH2; Q8WVJ5; B1ALI7
Molecular Weight	Observed: 45 kDa Predicted: 46 kDa
NCBI Official Full Name	hemojuvelin isoform c
NCBI Official Synonym Full Names	hemojuvelin BMP co-receptor
NCBI Official Symbol	HJV
NCBI Official Synonym Symbols	JH; HFE2; RGMC; HFE2A
NCBI Protein Information	hemojuvelin
UniProt Protein Name	Hemojuvelin
UniProt Gene Name	HJV

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/hfe2-antibody-immunohistochemistry-western-blot-elisa/326993>