

Rabbit HFE2 Polyclonal Antibody | anti-HFE2 antibody

Phospho-HFE2 (Ser42) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328256	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

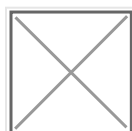
PRODUCT SYNONYMS

HFE2; Polyclonal Antibody; Phospho-HFE2 (Ser42) 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; RGM C; anti-HFE2 antibody

PRODUCT SPECIFICATIONS

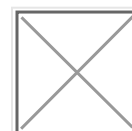
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-HFE2(Ser42) Antibody detects endogenous levels of HFE2 only when phosphorylated at Ser42.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
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	426
Applicable Applications for anti-HFE2 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HFE2 around the phosphorylation site of Ser42.
Tissue Specificity	Adult and fetal liver, heart, and skeletal muscle.
Subcellular Location	Plasma Membrane
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Phospho-HFE2(Ser42) in lysates of PC3?, using Phospho-HFE2(Ser42) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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



IHC (Immunohistochemistry)

At 1/100 staining rat kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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



IHC (Immunohistochemistry)

At 1/100 staining human heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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

ADDITIONAL INFORMATION

Related Product Information for anti-HFE2 antibody

Description: Acts as a bone morphogenetic protein (BMP) coreceptor. Through enhancement of BMP signaling regulates hepcidin (HAMP) expression and regulates iron homeostasis.

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.

Subunit Structure: Interacts with BMP2 and BMP4 (By similarity). Interacts with BMPR1B. Interacts with TMPRSS6.

Similarity: Belongs to the repulsive guidance molecule (RGM) family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51316254
NCBI GeneID	148738
UniProt Accession #	Q6ZVN8
Molecular Weight	Observed: 45 kDa Predicted: 46 kDa
NCBI Official Full Name	Hemojuvelin
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	HFE2
UniProt Synonym Gene Names	HJV; RGMC
UniProt Entry Name	RGMC_HUMAN

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-peptide-elisa-immunohistochemistry-western-blot-elisa/328256>