

Rabbit HFE Polyclonal Antibody | anti-HFE antibody

HFE Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326161	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

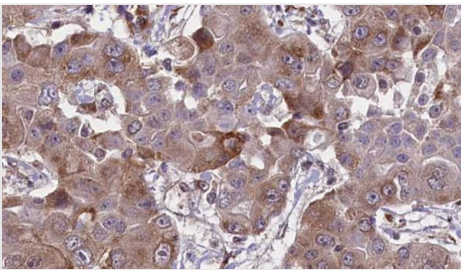
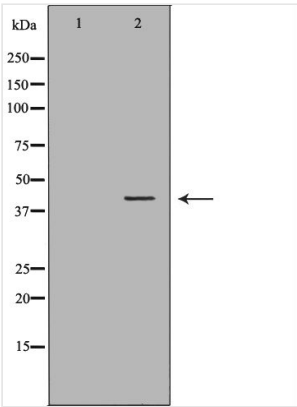
PRODUCT SYNONYMS

HFE; Polyclonal Antibody; HFE Antibody; dJ221C16.10.1; Hemochromatosis; Hemochromatosis protein; Hereditary hemochromatosis protein; Hereditary hemochromatosis protein HLA H; HFE 1; HFE_HUMAN; HFE1; HH; High Fe; HLA H; HLA-H; HLAH; MGC:150812; MGC10379; MGC103790; MHC class I like protein HFE; MVCD7; TFQTL2; anti-HFE antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HFE antibody detects endogenous levels of total HFE
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	348
Applicable Applications for anti-HFE antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HFE
Subcellular Location	Membrane.
Tissue Specificity	Expressed in all tissues tested except brain.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (88%), Rabbit (100%), Dog (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326161 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 Hela whole cell lysates, using HFE Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-HFE antibody	Description: 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] Function: Binds to transferrin receptor (TFR) and reduces its affinity for iron-loaded transferrin. Subunit Structure: Binds TFR through the extracellular domain in a pH-dependent manner. Similarity: Belongs to the MHC class I family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504377
NCBI GeneID	3077
NCBI Accession #	NP_000401.1
NCBI GenBank Nucleotide #	NM_000410.3
UniProt Accession #	Q30201; O75929; O75930; O75931; Q17RT0; Q96KU5; Q96KU6; Q96KU7; Q96KU8; Q9HC64; Q9HC68; B2CKL0
Molecular Weight	Observed: 40 kDa Predicted: 41 kDa
NCBI Official Full Name	hereditary hemochromatosis protein isoform 1
NCBI Official Synonym Full Names	homeostatic iron regulator
NCBI Official Symbol	HFE
NCBI Official Synonym Symbols	HH; HFE1; HLA-H; MVCD7; TFQTL2
NCBI Protein Information	hereditary hemochromatosis protein
UniProt Protein Name	Hereditary hemochromatosis protein
UniProt Gene Name	HFE
UniProt Synonym Gene Names	HLAH

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.

