

## Rabbit HFE2 Polyclonal Antibody | anti-HFE2 antibody

HFE2 Antibody (C-term)

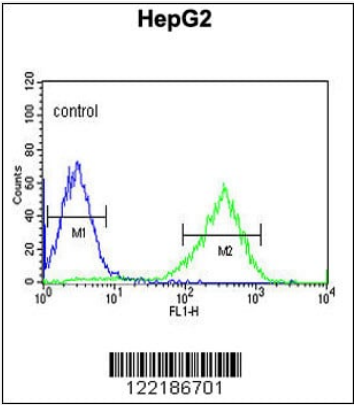
| CATALOG # | HOST   | REACTIVITY                               | APPLICATIONS                                          |
|-----------|--------|------------------------------------------|-------------------------------------------------------|
| AAA284530 | Rabbit | Human (Predicted Reactivity: Mouse, Rat) | Flow Cytometry, Functional Assay, ELISA, Western Blot |

### PRODUCT SYNONYMS

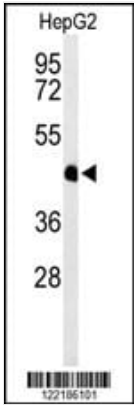
HFE2; Polyclonal Antibody; HFE2 Antibody (C-term); Hemojuvelin; Hemochromatosis type 2 protein; RGM domain family member C; HJV; RGMC; anti-HFE2 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Reactivity                                     | Human (Predicted Reactivity: Mouse, Rat)                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Rabbit Ig                                                                                                                                                                    |
| Specificity                                    | 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.         |
| Purity/Purification                            | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                  | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                             | 308-338                                                                                                                                                                      |
| Sequence Length                                | 313                                                                                                                                                                          |
| Applicable Applications for anti-HFE2 antibody | FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)                                                                                                                          |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                 | HUMAN                                                                                                                                                                        |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |



**FCM/FACS (Flow Cytometry)**  
HFE2 Antibody (C-term) 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.



**WB (Western Blot)**  
Western blot analysis of HFE2 Antibody (C-term) in HepG2 cell line lysates (35ug/lane). HFE2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HFE2 antibody | 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. |
| Product Categories/Family for anti-HFE2 antibody   | Developmental biology; Metabolism; Signal transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| References                                         | Zhu, X., et al. Genet. Epidemiol. 34(2):171-187(2010)<br>Barton, J.C., et al. Am. J. Hematol. 84(11):710-714(2009)<br>Zhang, A.S., et al. J. Biol. Chem. 284(34):22580-22589(2009)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 44662823                                           |
| NCBI GeneID                      | 148738                                             |
| NCBI Accession #                 | NP_660320.3; NP_973733.1; NP_998817.1; NP_998818.1 |
| NCBI GenBank Nucleotide #        | NM_145277.4                                        |
| UniProt Accession #              | Q6ZVN8; Q2PQ63; Q6IMF6; Q8NAH2; Q8WVJ5; B1ALI7     |
| Molecular Weight                 | 45080                                              |
| NCBI Official Full Name          | hemojuvelin isoform b                              |
| NCBI Official Synonym Full Names | hemochromatosis type 2 (juvenile)                  |
| NCBI Official Symbol             | HFE2                                               |
| NCBI Official Synonym Symbols    | JH; HJV; RGMC; HFE2A                               |
| NCBI Protein Information         | hemojuvelin                                        |
| UniProt Protein Name             | Hemojuvelin                                        |
| UniProt Gene Name                | HFE2                                               |
| UniProt Synonym Gene Names       | HJV; RGMC                                          |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hfe2-antibody-flow-cytometry-western-blot-elisa/284530>