

Datasheet for ABIN2781799  
**anti-HFE antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	HFE
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HFE antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HFE
Sequence:	MGASEQDLGL SLFEALGYVD DQLFVFYDHE SRRVEPRTPW VSSRISSQMW
Predicted Reactivity:	Cow: 79%, Horse: 86%, Human: 100%, Mouse: 86%, Rabbit: 79%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against HFE. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	HFE
Alternative Name:	HFE ( <a href="#">HFE Products</a> )

## Target Details

**Background:** HFE 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 its gene.

Alias Symbols: HFE1, HH, HLA-H, MGC103790, dJ221C16.10.1, MVCD7, TFQTL2

Protein Interaction Partner: B2M, SYVN1, UBC, TFR2, TFRC,

Protein Size: 348

**Molecular Weight:** 40 kDa

**Gene ID:** 3077

**NCBI Accession:** [NM\\_000410](#), [NP\\_000401](#)

**UniProt:** [Q30201](#)

**Pathways:** [Transition Metal Ion Homeostasis](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

## Application Details

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator.

**Comment:** Antigen size: 348 AA

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** Lot specific

**Buffer:** Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Handling Advice:** Avoid repeated freeze-thaw cycles.

**Storage:** -20 °C

## Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-HFE

Antibody Titration: 0.2-1 µg/mL

Positive Control: Hela cell lysate

There is BioGPS gene expression data showing that HFE is expressed in HeLa

### Western Blotting

**Image 2.** WB Suggested Anti-HFE Antibody Titration: 0.2-1 ug/ml Positive Control: Hela cell lysate There is BioGPS gene expression data showing that HFE is expressed in HeLa