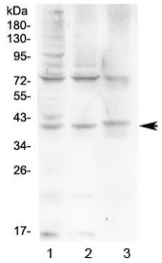
HFE Antibody (Hereditary hemochromatosis protein) (R32770)

Catalog No.	Formulation	Size
R32770	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	Q30201
Applications	Western Blot : 0.5-1ug/ml
Limitations	This HFE antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) HepG2 and 3) A431 cell lysate with HFE antibody at 0.5ug/ml. Predicted molecular weight ~40 kDa.

Description

Human hemochromatosis protein, also known as HFE, is a protein which in humans is encoded by the HFE gene. The gene is located on short arm of chromosome 6 at location 6p21.3. It 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.

Application Notes

Optimal dilution of the HFE antibody should be determined by the researcher.

Immunogen

Amino acids Q82-R199 from the human protein were used as the immunogen for the HFE antibody.

Storage

After reconstitution, the HFE antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.