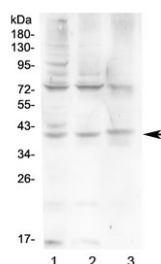


HFE Antibody (Hereditary hemochromatosis protein) (R32770)

| 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 |
| 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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.