abcam

Product datasheet

Anti-HFE antibody ab102592

画像数 1

製品の概要

製品名	Anti-HFE antibody
製品の詳細	Rabbit polyclonal to HFE
由来種	Rabbit
アプリケーション	**適用あり:** WB
種交差性	**交差種:** Human **交差が予測される動物種:** Mouse, Horse, Chimpanzee
免疫原	Synthetic peptide corresponding to a region within N terminal amino acids 35-84 (MGASEQDLGL SLFEALGYVD DQLFVFYDHE SRRVEPRTPW VSSRISSQMW) of Human HFE (NP_000401). Run BLAST with ExPASy Run BLAST with NCBI
ポジティブ・コントロール	HeLa cell lysate

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: None Constituents: 2% Sucrose, PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our Abpromise guarantee covers the use of **ab102592** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項

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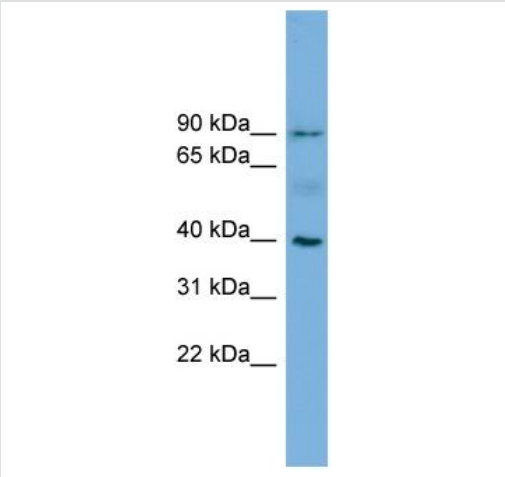
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 40 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

ターゲット情報

機能	Binds to transferrin receptor (TFR) and reduces its affinity for iron-loaded transferrin.
組織特異性	Expressed in all tissues tested except brain.
関連疾患	Defects in HFE are a cause of hemochromatosis (HFE) [MIM:235200]. A disorder of iron metabolism characterized by iron overload. Excess iron is deposited in a variety of organs leading to their failure, and resulting in serious illnesses including cirrhosis, hepatomas, diabetes, cardiomyopathy, arthritis, and hypogonadotropic hypogonadism. Severe effects of the disease usually do not appear until after decades of progressive iron loading. Defects in HFE are associated with variegate porphyria (VP) [MIM:176200]. Porphyrias are inherited defects in the biosynthesis of heme, resulting in the accumulation and increased excretion of porphyrins or porphyrin precursors. They are classified as erythropoietic or hepatic, depending on whether the enzyme deficiency occurs in red blood cells or in the liver. VP is the most common form of porphyria in South Africa. It is characterized by skin hyperpigmentation and hypertrichosis, abdominal pain, tachycardia, hypertension and neuromuscular disturbances. High fecal levels of protoporphyrin and coproporphyrin, increased urine uroporphyrins and iron overload are typical markers of the disease. Note=Iron overload due to HFE mutations is a precipitating or exacerbating factor in variegate porphyria. Defects in HFE are associated with susceptibility to microvascular complications of diabetes type 7 (MVCD7) [MIM:612635]. These are pathological conditions that develop in numerous tissues and organs as a consequence of diabetes mellitus. They include diabetic retinopathy, diabetic nephropathy leading to end-stage renal disease, and diabetic neuropathy. Diabetic retinopathy remains the major cause of new-onset blindness among diabetic adults. It is characterized by vascular permeability and increased tissue ischemia and angiogenesis.
配列類似性	Belongs to the MHC class I family. Contains 1 Ig-like C1-type (immunoglobulin-like) domain.
細胞内局在	Membrane.

画像



Western blot - Anti-HFE antibody (ab102592)

Anti-HFE antibody (ab102592) at 1 µg/ml +
HeLa cell lysate at 10 µg

Predicted band size: 40 kDa

Gel concentration: 12%

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- We provide support in Chinese, English, French, German, Japanese and Spanish
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