

Datasheet for ABIN7599746
anti-HFE antibody (AA 112-227)



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Overview

Quantity:	100 µg
Target:	HFE
Binding Specificity:	AA 112-227
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HFE antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-Hfe Antibody Picoband®
Immunogen:	E.coli-derived mouse Hfe recombinant protein (Position: N112-H227).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Hfe Antibody Picoband® (ABIN7599746). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	HFE
Alternative Name:	Hfe (HFE Products)
Background:	Synonyms: Hereditary hemochromatosis protein,HLA-H,HFE,HLAH, Tissue Specificity: Expressed in all tissues tested except brain. Background: Human homeostatic iron regulator protein, also known as the HFE protein (High FE2+), is a protein which in humans is encoded by the HFE gene. Enables transferrin receptor binding activity. Involved in positive regulation of gene expression. Acts upstream of or within hormone biosynthetic process and multicellular organismal iron ion homeostasis. Part of HFE-transferrin receptor complex. Is expressed in brain, choroid invagination, diencephalon roof plate, medulla oblongata part of 4th ventricle choroid plexus, and metencephalon part of 4th ventricle choroid plexus. Used to study hemochromatosis type 1. Human ortholog(s) of this gene implicated in several diseases, including acute porphyria (multiple), arthritis (multiple), bone marrow cancer (multiple), hemochromatosis (multiple), and liver disease (multiple). Orthologous to human HFE (homeostatic iron regulator).
Molecular Weight:	40-58 kDa
Gene ID:	15216
UniProt:	P70387
Pathways:	Transition Metal Ion Homeostasis , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Rat Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Mouse ELISA, 0.1-0.5 µg/mL, - 1. Aguilar-Martinez, P., Bismuth, M., Picot, M. C., Thelcide, C., Pageaux, G.-P., Blanc, F., Blanc, P., Schved, J.-F., Larrey, D. Variable phenotypic presentation of iron overload in H63D homozygotes: are genetic modifiers the cause? Gut 48: 836-842, 2001. 2. Allen, K. J., Gurrin, L. C., Constantine, C. C., Osborne, N. J., Delatycki, M. B., Nicoll, A. J., McLaren, C. E., Bahlo, M., Nisselle, A. E., Vulpe, C. D., Anderson, G. J., Southey, M. C., Giles, G. G., English, D. R., Hopper, J. L., Olynyk, J. K., Powell, L. W., Gertig, D. M. Iron-overload-related disease in HFE hereditary hemochromatosis. New Eng. J. Med. 358: 221-230, 2008. 3. Andersen, R. V., Tybjaerg-Hansen, A., Appleyard, M., Birgens, H., Nordestgaard, B. G. Hemochromatosis mutations in the general
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Application Details

	population: iron overload progression rate. Blood 103: 2914-2919, 2004.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.