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Product datasheet

HRP Anti-Hemoglobin antibody ab19362

4 References 画像数 1

医薬用外劇物

製品の概要

製品名	HRP Anti-Hemoglobin antibody
製品の詳細	HRP Goat polyclonal to Hemoglobin
由来種	Goat
標識	HRP
特異性	The antibody has been tested in ELISA and IEP with a Human Hemaglobin Calibrator/Standard but has yet to be tested against endogenous protein.
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:** Rabbit, Dog, Chimpanzee, Rhesus monkey
免疫原	Full length protein corresponding to Human Hemoglobin conjugated to bovine serum albumin. Goats were immunized with purified human hemoglobin A1 of adult red blood cell origin.
ポジティブ・コントロール	recombinant human hemoglobin
特記事項	Molar enzyme/antibody protein ratio is 4:1. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	pH: 6.8 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.19% HEPES, 0.58% Sodium chloride
精製度	Immunogen affinity purified

特記事項（精製）	Antibody concentration was determined by extinction coefficient prior to conjugation: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.
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

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab19362の使用に適用されます

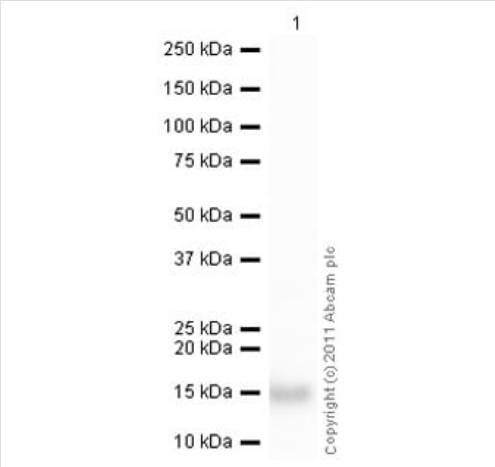
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/30000. Predicted molecular weight: 16 kDa.

ターゲット情報

機能	Involved in oxygen transport from the lung to the various peripheral tissues.
組織特異性	Red blood cells.
関連疾患	Defects in HBA1/HBA2 may be a cause of Heinz body anemias (HEIBAN) [MIM:140700]. This is a form of non-spherocytic hemolytic anemia of Dacie type 1. After splenectomy, which has little benefit, basophilic inclusions called Heinz bodies are demonstrable in the erythrocytes. Before splenectomy, diffuse or punctate basophilia may be evident. Most of these cases are probably instances of hemoglobinopathy. The hemoglobin demonstrates heat lability. Heinz bodies are observed also with the Ivemark syndrome (asplenia with cardiovascular anomalies) and with glutathione peroxidase deficiency. Defects in HBA1/HBA2 are the cause of alpha-thalassemia (A-THAL) [MIM:604131]. The thalassemias are the most common monogenic diseases and occur mostly in Mediterranean and Southeast Asian populations. The hallmark of alpha-thalassemia is an imbalance in globin-chain production in the adult HbA molecule. The level of alpha chain production can range from none to very nearly normal levels. Deletion of both copies of each of the two alpha-globin genes causes alpha(0)-thalassemia, also known as homozygous alpha thalassemia. Due to the complete absence of alpha chains, the predominant fetal hemoglobin is a tetramer of gamma-chains (Bart hemoglobin) that has essentially no oxygen carrying capacity. This causes oxygen starvation in the fetal tissues leading to prenatal lethality or early neonatal death. The loss of three alpha genes results in high levels of a tetramer of four beta chains (hemoglobin H), causing a severe and life-threatening anemia known as hemoglobin H disease. Untreated, most patients die in childhood or early adolescence. The loss of two alpha genes results in mild alpha-thalassemia, also known as heterozygous alpha-thalassemia. Affected individuals have small red cells and a mild anemia (microcytosis). If three of the four alpha-globin genes are functional, individuals are completely asymptomatic. Some rare forms of alpha-thalassemia are due to point mutations (non-deletional alpha-thalassemia). The thalassemic phenotype is due to unstable globin alpha chains that are rapidly catabolized prior to formation of the alpha-beta heterotetramers. Note=Alpha(0)-thalassemia is associated with non-immune hydrops fetalis, a generalized edema of the fetus with fluid accumulation in the body cavities due to non-immune causes. Non-immune hydrops fetalis is not a diagnosis in itself but a symptom, a feature of many genetic disorders, and the end-stage of a wide variety of disorders.
配列類似性	Belongs to the globin family.
翻訳後修飾	The initiator Met is not cleaved in variant Thionville and is acetylated.

画像



Western blot - HRP Anti-Hemoglobin antibody (ab19362)

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