

Anti-ALAS2/ASB antibody [EPR15112(B)] - C-terminal ab184964

リコンビナント RabMAb

★★★★★ **1 Abreviews** **8 References** [画像数 6](#)

製品の概要

製品名	Anti-ALAS2/ASB antibody [EPR15112(B)] - C-terminal
製品の詳細	Rabbit monoclonal [EPR15112(B)] to ALAS2/ASB - C-terminal
由来種	Rabbit
アプリケーション	適用あり: WB, IP
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: NIH/3T3, PC-12, Rat brain, Jurkat, 293 and Human fetal liver. IP: K-562 cells.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR15112(B)
アイソタイプ	IgG

アプリケーション

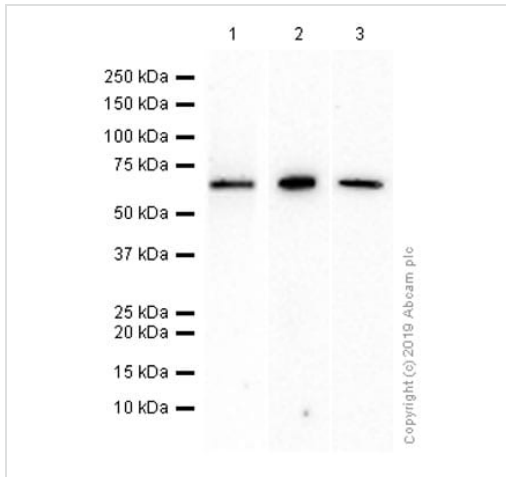
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab184964の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/2000. Detects a band of approximately 65 kDa (predicted molecular weight: 65 kDa).
IP		1/30 - 1/50.

ターゲット情報

組織特異性	Erythroid specific.
パスウェイ	Porphyryn metabolism; protoporphyrin-IX biosynthesis; 5-aminolevulinate from glycine: step 1/1.
関連疾患	<p>Defects in ALAS2 are a cause of anemia sideroblastic X-linked (XLSA) [MIM:300751]. Sideroblastic anemia is characterized by anemia of varying severity, hypochromic peripheral erythrocytes, systemic iron overload secondary to chronic ineffective erythropoiesis, and the presence of bone marrow ringed sideroblasts. Sideroblasts are characterized by iron-loaded mitochondria clustered around the nucleus. XLSA shows a variable hematologic response to pharmacologic doses of pyridoxine.</p> <p>Defects in ALAS2 are the cause of erythropoietic protoporphyria X-linked dominant (XLDPT) [MIM:300752]. Porphyrins 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. XLDPT is a form of porphyria characterized biochemically by a high proportion of zinc-protoporphyrin in erythrocytes, in which a mismatch between protoporphyrin production and the heme requirement of differentiating erythroid cells leads to overproduction of protoporphyrin in amounts sufficient to cause photosensitivity and liver disease. Note=Gain of function mutations in ALS2 are responsible for XLDPT, but they can also be a possible aggravating factor in congenital erythropoietic porphyria and other erythropoietic disorders caused by mutations in other genes (PubMed:21309041).</p>
配列類似性	Belongs to the class-II pyridoxal-phosphate-dependent aminotransferase family.
細胞内局在	Mitochondrion matrix.

画像



Western blot - Anti-ALAS2/ASB antibody [EPR15112(B)] - C-terminal (ab184964)

All lanes : Anti-ALAS2/ASB antibody [EPR15112(B)] - C-terminal (ab184964) at 1/1000 dilution (Purified)

Lane 1 : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysates

Lane 2 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysates

Lane 3 : Rat brain lysates

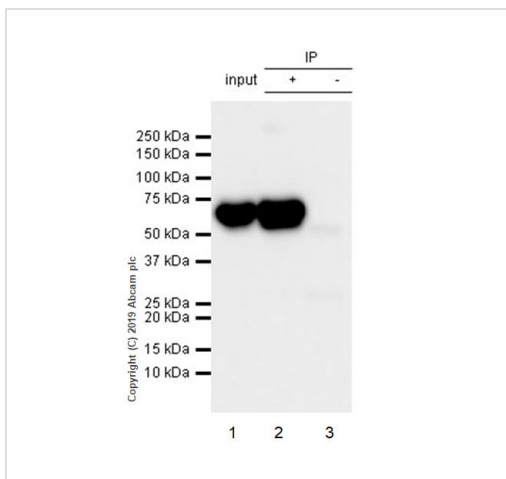
Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 65 kDa

Observed band size: 65 kDa



Immunoprecipitation - Anti-ALAS2/ASB antibody [EPR15112(B)] - C-terminal (ab184964)

ab184964 (Purified) at 1:30 dilution (2 µg) immunoprecipitating ALAS2/ASB in K-562 whole cell lysate.

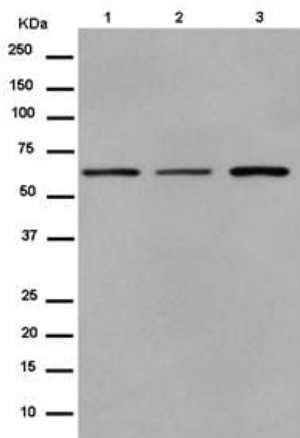
Lane 1 (input): K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate 10 µg

Lane 2 (+): ab184964 & K-562 whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab184964 in K-562 whole cell lysate

For western blotting, VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1:1000 dilution.

Blocking and diluting buffer: 5% NFDm/TBST.



Western blot - Anti-ALAS2/ASB antibody [EPR15112(B)] - C-terminal (ab184964)

All lanes : Anti-ALAS2/ASB antibody [EPR15112(B)] - C-terminal (ab184964) at 1/1000 dilution

Lane 1 : K562 lysate

Lane 2 : Jurkat lysate

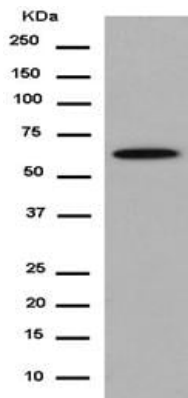
Lane 3 : 293 lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 65 kDa



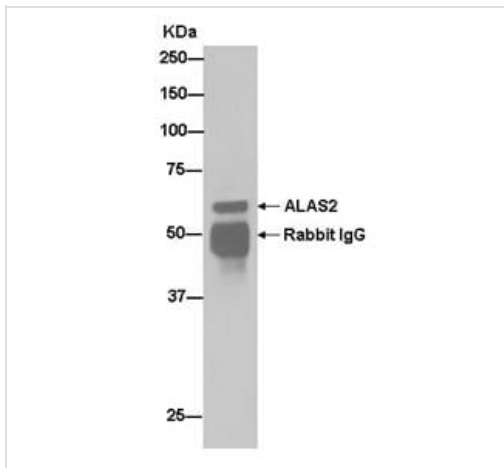
Western blot - Anti-ALAS2/ASB antibody [EPR15112(B)] - C-terminal (ab184964)

Anti-ALAS2/ASB antibody [EPR15112(B)] - C-terminal (ab184964) at 1/1000 dilution + Human fetal liver at 10 µg

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 65 kDa



Western blot analysis of immunoprecipitation pellet from 293 cell lysate immunoprecipitated using ab184964 at 1/50 dilution.

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated secondary used at a 1/1000 dilution.

Immunoprecipitation - Anti-ALAS2/ASB antibody
[EPR15112(B)] - C-terminal (ab184964)

Why choose a recombinant antibody?

 Research with confidence Consistent and reproducible results	 Long-term and scalable supply Recombinant technology
 Success from the first experiment Confirmed specificity	 Ethical standards compliant Animal-free production

Anti-ALAS2/ASB antibody [EPR15112(B)] - C-terminal (ab184964)

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