

Native human Catalase protein ab91026

[1 References](#) [画像数 2](#)

製品の詳細

製品名	Native human Catalase protein
生理活性	Activity: Greater than 50,000 units per mg protein. One unit is equal to the amount of enzyme that will decompose one micromole of hydrogen peroxide per minute at 25°C, pH 7.0
精製度	> 95 % SDS-PAGE.
発現系	Native
タンパク質長	Full length protein
Animal free	No
由来	Native
生物種	Human
予測される分子量	230 kDa
配列の追加情報	Purified from Human Erythrocytes. Four identical subunits each with a molecular weight of 58,000.

特性

Our **Abpromise guarantee** covers the use of **ab91026** 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	Western blot Functional Studies SDS-PAGE
製品の状態	Liquid
備考	Prepared from whole blood shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

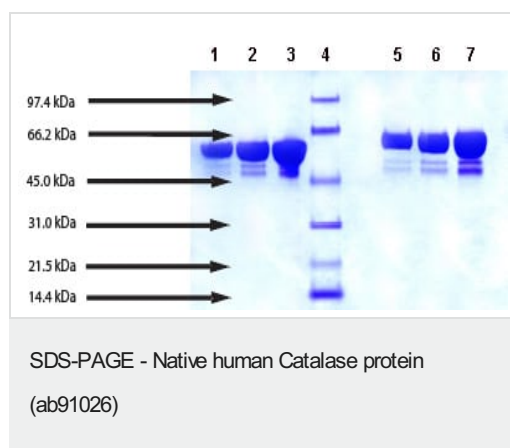
前処理および保存

保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituent: 0.79% Tris HCl This product is an active protein and may elicit a biological response in vivo, handle with caution.
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関連情報

機能	Occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide. Promotes growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells and normal and transformed fibroblast cells.
関連疾患	Defects in CAT are the cause of acatalasia (ACATLAS) [MIM:115500]; also known as acatalasemia. This disease is characterized by absence of catalase activity in red cells and is often associated with ulcerating oral lesions.
配列類似性	Belongs to the catalase family.
翻訳後修飾	The N-terminus is blocked.
細胞内局在	Peroxisome.

画像



SDS-PAGE: 4-12% Bis-Tris NuPAGE gel

Lane 1: 5 µg Catalase (reduced/heated)

Lane 2: 10 µg Catalase (reduced/heated)

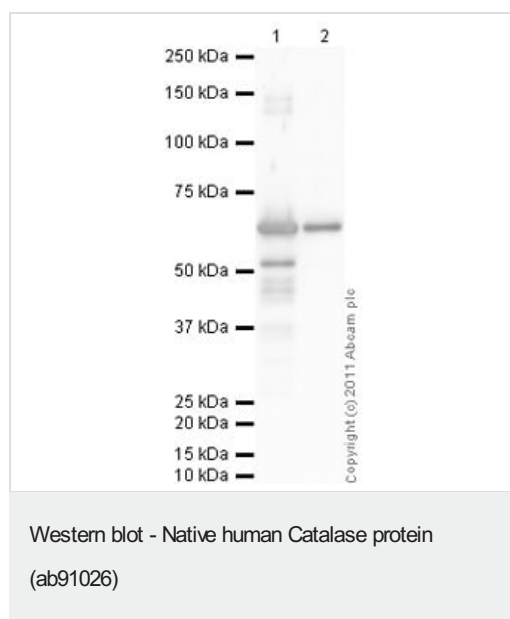
Lane 3: 20 µg Catalase (reduced/heated)

Lane 4: Molecular weight markers

Lane 5: 5 µg Catalase (non-reduced/no heat)

Lane 6: 10 µg Catalase (non-reduced/no heat)

Lane 7: 20 µg Catalase (non-reduced/no heat)



All lanes : Anti-Catalase antibody - Peroxisome Marker ([ab15834](#)) at 5 µg/ml

Lane 1 : Native human Catalase protein (ab91026) at 0.1 µg

Lane 2 : Native human Catalase protein (ab91026) at 0.01 µg

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 10 seconds

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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