

Product datasheet

Recombinant rat RAB27A protein ab90609

製品の概要

製品名	Recombinant rat RAB27A protein
タンパク質長	Full length protein

製品の詳細

由来	Recombinant
由来	Escherichia coli
アミノ酸配列	
生物種	Rat

特性

Our [Abpromise guarantee](#) covers the use of **ab90609** in the following tested applications.

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

生理活性	Activity: 100 pmol of protein can bind > 80 pmol of GDP.
アプリケーション	SDS-PAGE
精製度	> 90 % SDS-PAGE.

製品の状態	Liquid
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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. Preservative: None Constituents: 10% Glycerol, 25mM HEPES, 200mM Sodium chloride, 2mM DTE (1, 4-Dithioerythritol), 10mM Magnesium chloride, 0.01mM GDP, pH 7.2 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	Plays a role in cytotoxic granule exocytosis in lymphocytes. Required for both granule maturation
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and granule docking and priming at the immunologic synapse.

組織特異性

Found in all the examined tissues except in brain. Low expression was found in thymus, kidney, muscle and placenta. Detected in melanocytes, and in most tumor cell lines examined. Expressed in cytotoxic T-lymphocytes (CTL) and mast cells.

関連疾患

Defects in RAB27A are a cause of Griscelli syndrome type 2 (GS2) [MIM:607624]. Griscelli syndrome is a rare autosomal recessive disorder that results in pigmentary dilution of the skin and hair, the presence of large clumps of pigment in hair shafts, and an accumulation of melanosomes in melanocytes. GS2 patients also develop an uncontrolled T-lymphocyte and macrophage activation syndrome, known as hemophagocytic syndrome, leading to death in the absence of bone marrow transplantation. Neurological impairment is present in some patients, likely as a result of hemophagocytic syndrome.

配列類似性

Belongs to the small GTPase superfamily. Rab family.

細胞内局在

Membrane. Melanosome. Late endosome. Lysosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Localizes to endosomal exocytic vesicles.

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