abcam

Product datasheet

Recombinant Human PRKAR1A protein ab125532

画像数 1

製品の詳細

製品名	Recombinant Human PRKAR1A protein
精製度	> 85 % Densitometry. Purity determined to be >85% by densitometry. Affinity purified.
発現系	Baculovirus infected Sf9 cells
アクセッション番号	P10644
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
予測される分子量	51 kDa including tags
領域	1 to 381

特性

Our **Abpromise guarantee** covers the use of **ab125532** 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 SDS-PAGE
製品の状態	Liquid
備考	This product was previously labelled as Protein Kinase A regulatory subunit I alpha This product was previously labelled as Protein Kinase A regulatory subunit I alpha This product was previously labelled as Protein Kinase A regulatory subunit I alpha This product was previously labelled as Protein Kinase A regulatory subunit I alpha This product was previously labelled as Protein Kinase A regulatory subunit I alpha

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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 -80ºC. Avoid freeze / thaw cycles.

pH: 7.00
Preservative: 1.02% Imidazole
Constituents: 0.002% PMSF, 0.82% Sodium phosphate, 0.0038% DTT, 25% Glycerol (glycerin, glycerine), 1.75% Sodium chloride

関連情報

組織特異性

Four types of regulatory chains are found: I-alpha, I-beta, II-alpha, and II-beta. Their expression varies among tissues and is in some cases constitutive and in others inducible.

関連疾患

Defects in PRKAR1A are the cause of Carney complex type 1 (CNC1) [MIM:160980]. CNC is a multiple neoplasia syndrome characterized by spotty skin pigmentation, cardiac and other myxomas, endocrine tumors, and psammomatous melanotic schwannomas.
Defects in PRKAR1A are the cause of intracardiac myxoma (INTMYX) [MIM:255960]. Inheritance is autosomal recessive.
Defects in PRKAR1A are the cause of primary pigmented nodular adrenocortical disease type 1 (PPNAD1) [MIM:610489]. Primary pigmented nodular adrenocortical disease is a rare bilateral adrenal defect causing ACTH-independent Cushing syndrome. Macroscopic appearance of the adrenals is characteristic with small pigmented micronodules observed in the cortex. PPNAD1 is most often diagnosed in patients with Carney complex, but it can also be observed in patients without other manifestations or familial history.

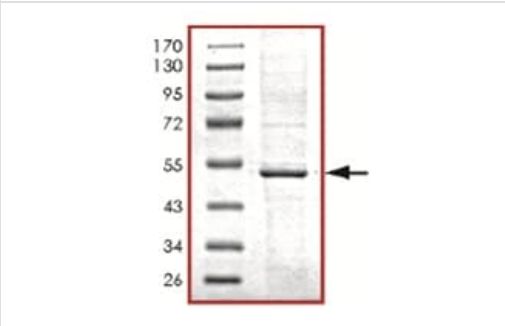
配列類似性

Belongs to the cAMP-dependent kinase regulatory chain family.
Contains 2 cyclic nucleotide-binding domains.

翻訳後修飾

The pseudophosphorylation site binds to the substrate-binding region of the catalytic chain, resulting in the inhibition of its activity.

画像



SDS-PAGE - Recombinant Human PRKAR1A protein (ab125532)

SDS-PAGE analysis of ab125532.

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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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