

Recombinant human NEK9 protein ab125614

1 References [画像数 5](#)

製品の詳細

製品名	Recombinant human NEK9 protein
生理活性	The specific activity of ab125614 was determined to be 120 nmol/mg/min.
精製度	> 75 % SDS-PAGE. Purity determined to be >75% by densitometry. Affinity purified.
発現系	Baculovirus infected Sf9 cells
アクセッション番号	<u>NM_033116</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
予測される分子量	115 kDa including tags
領域	1 to 979
タグ	GST tag N-Terminus
配列の追加情報	1-979; deleted fragment of 346-731

特性

Our **Abpromise guarantee** covers the use of **ab125614** 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	<u>ab64311</u> (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity

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.
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pH: 7.50

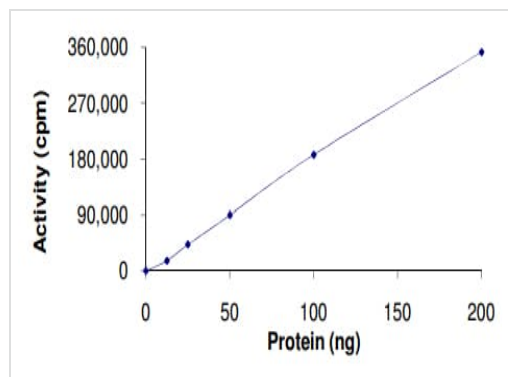
Constituents: 0.004% EGTA, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

関連情報

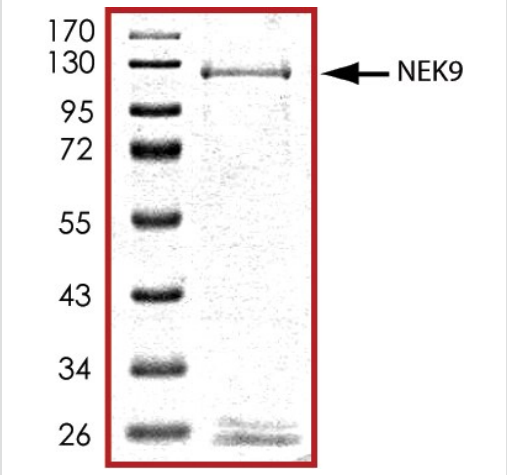
機能	Pleiotropic regulator of mitotic progression, participating in the control of spindle dynamics and chromosome separation. Phosphorylates different histones, myelin basic protein, beta-casein, and BICD2. Phosphorylates histone H3 on serine and threonine residues and beta-casein on serine residues. Important for G1/S transition and S phase progression.
組織特異性	Most abundant in heart, liver, kidney and testis. Also expressed in smooth muscle cells and fibroblasts.
配列類似性	Belongs to the protein kinase superfamily. NEK Ser/Thr protein kinase family. NIMA subfamily. Contains 1 protein kinase domain. Contains 6 RCC1 repeats.
発生段階	Expression varied mildly across the cell cycle, with highest expression observed in G1 and stationary-phase cells.
ドメイン	Dimerizes through its coiled-coil domain.
翻訳後修飾	Autophosphorylated on serine and threonine residues. When complexed with FACT, exhibits markedly elevated phosphorylation on Thr-210. During mitosis, not phosphorylated on Thr-210. Phosphorylated by CDK1 in vitro.
細胞内局在	Cytoplasm. Nucleus.

画像



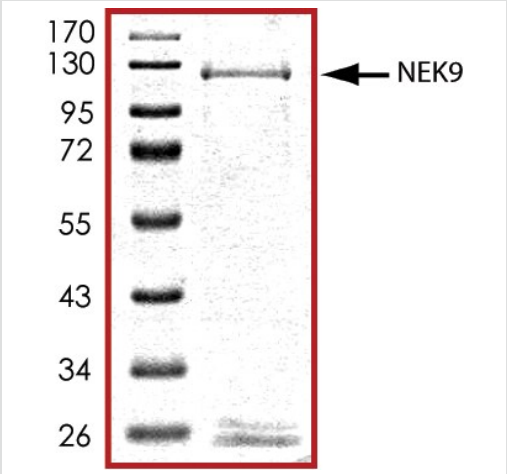
The specific activity of NEK9 (ab125614) was determined to be 121 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human NEK9 protein (ab125614)



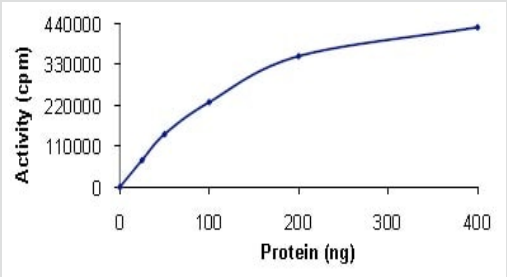
SDS-PAGE - Recombinant human NEK9 protein
(ab125614)

SDS PAGE analysis of ab125614



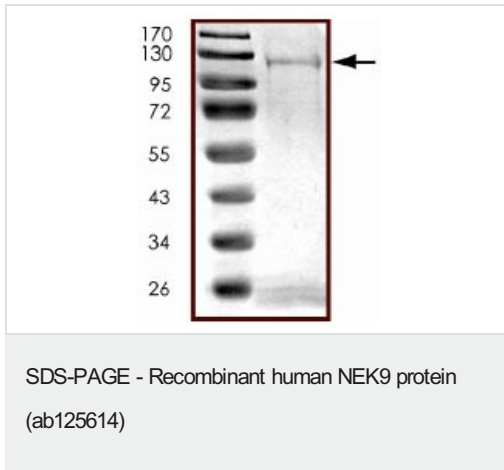
SDS-PAGE - Recombinant human NEK9 protein
(ab125614)

SDS PAGE analysis of ab125614



Functional Studies - Recombinant human NEK9
protein (ab125614)

Sample Kinase Assay showing the specific activity of ab125614 as
120 nmol/min/mg.



SDS-PAGE analysis of ab125614.

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