

Recombinant Human KRIT1 protein ab113196

画像数 1

製品の詳細

製品名	Recombinant Human KRIT1 protein
精製度	> 90 % SDS-PAGE. Purity is >90%, by SDS-PAGE and silver stain.
発現系	Escherichia coli
アクセッション番号	<u>O00522-2</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	MLLKEAINKPYEKVRIYRMDGSYRSVELKHGNNTTVQQIMEG MRLSQETQ QYFTIWICSENLSQLKPYHKPLQHVRDWPEILAELTNLDPQ RETPQLFL RRDVRLPLEVEKQIEDPLAILILFDEARYNLLKGFYTAPDAK LITLASLL LQIVYGNYESKKHKQGFLNEENLKSIVPVTKLKSAPHWTNR ILHEYKNL STSEGVSKEMHHLQRMFLQNCWEIPTYGAAFFTQIFTKASP SNHKVIPV YVGVNIKGLHLLNMETKALLISLKYGCFMWQLGDTDTCFQIH SMENKMSF IVHTKQAGLVVKLLMKLNGQLMPTERNLSLE
予測される分子量	39 kDa including tags
領域	203 to 529
タグ	His tag C-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab113196** 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	SDS-PAGE
製品の状態	Lyophilized

前処理および保存

保存方法および安定性

Shipped at 4°C. Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.

Constituent: 0.18% Sodium chloride

再構成

ab113196 is soluble in water and most aqueous buffers and should be reconstituted in PBS or medium containing at least 0.1% Human or BSA to a concentration not lower than 50 µg/ml.

関連情報

機能

Negative regulator of angiogenesis. Inhibits endothelial proliferation, apoptosis, migration, lumen formation and sprouting angiogenesis in primary endothelial cells. Promotes AKT phosphorylation in a NOTCH-dependent and independent manner, and inhibits EKR1/2 phosphorylation indirectly through activation of the DELTA-NOTCH cascade. Acts in concert with CDH5 to establish and maintain correct endothelial cell polarity and vascular lumen and these effects are mediated by recruitment and activation of the Par polarity complex and RAP1B. Required for the localization of phosphorylated PRKCZ, PARD3, TIAM1 and RAP1B to the cell junction. Plays an important role in the maintenance of the intracellular reactive oxygen species (ROS) homeostasis to prevent oxidative cellular damage. Regulates the homeostasis of intracellular ROS through an antioxidant pathway involving FOXO1 and SOD2. Facilitates the down-regulation of cyclin D1 levels required for cell transition from proliferative growth to quiescence by preventing the accumulation of intracellular ROS through the modulation of FOXO1 and SOD2 levels.

組織特異性

Low levels in brain. Very weak expression found in heart and muscle.

関連疾患

Defects in KRIT1 are the cause of cerebral cavernous malformations type 1 (CCM1) [MIM:116860]. Cerebral cavernous malformations (CCMs) are congenital vascular anomalies of the central nervous system that can result in hemorrhagic stroke, seizures, recurrent headaches, and focal neurologic deficits. CCMs have an incidence of 0.1%-0.5% in the general population and usually present clinically during the 3rd to 5th decade of life. The lesions are characterized by grossly enlarged blood vessels consisting of a single layer of endothelium and without any intervening neural tissue, ranging in diameter from a few millimeters to several centimeters.

配列類似性

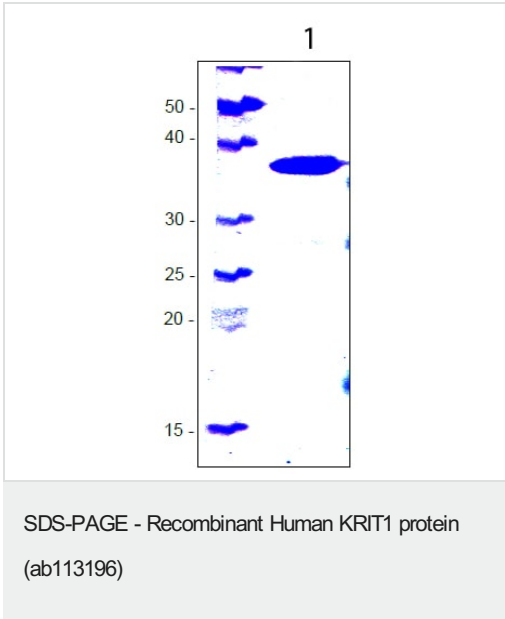
Contains 4 ANK repeats.

Contains 1 FERM domain.

細胞内局在

Membrane. Cell junction. KRIT1 and CDH5 reciprocally regulate their localization to endothelial cell-cell junctions.

画像



SDS-PAGE analysis of recombinant human KRIT1 protein fragment (ab113196). Sample was loaded in 15% SDS-polyarylamide gel under reducing conditions and stained with Coomassie blue.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors