


Anti-PERK antibody ab79483

★★★★☆ **5 Abreviews** **22 References** 画像数 3

製品の概要

製品名	Anti-PERK antibody
製品の詳細	Rabbit polyclonal to PERK
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthetic non-phosphopeptide derived from human PERK around the phosphorylation site of threonine 981 (RHT ^P GQ)
ポジティブ・コントロール	IHC: human colon carcinoma tissue WB: extracts from MCF-7 cells
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	<p>pH: 7</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride</p> <p>Without Mg²⁺ and Ca²⁺</p>
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

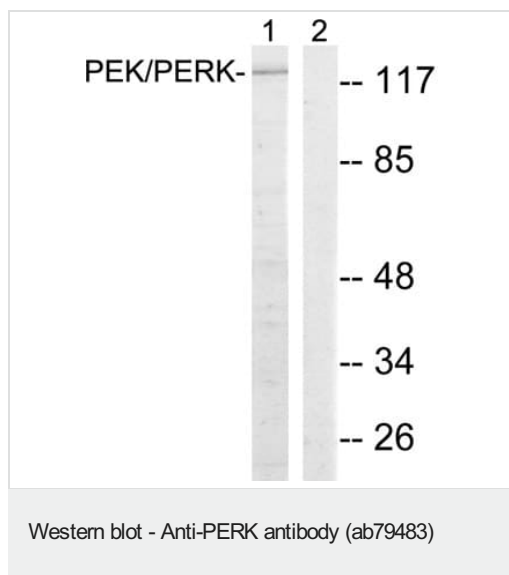
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab79483の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (4)	1/500 - 1/1000. Predicted molecular weight: 125 kDa.
IHC-P	★★★★★ (1)	1/50 - 1/100.

ターゲット情報

機能	Phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2 (EIF2), leading to its inactivation and thus to a rapid reduction of translational initiation and repression of global protein synthesis. Serves as a critical effector of unfolded protein response (UPR)-induced G1 growth arrest due to the loss of cyclin D1.
組織特異性	Ubiquitous. A high level expression is seen in secretory tissues.
関連疾患	Defects in EIF2AK3 are the cause of Wolcott-Rallison syndrome (WRS) [MIM:226980]; also known as multiple epiphyseal dysplasia with early-onset diabetes mellitus. WRS is a rare autosomal recessive disorder, characterized by permanent neonatal or early infancy insulin-dependent diabetes and, at a later age, epiphyseal dysplasia, osteoporosis, growth retardation and other multisystem manifestations, such as hepatic and renal dysfunctions, mental retardation and cardiovascular abnormalities.
配列類似性	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. GCN2 subfamily. Contains 1 protein kinase domain.
ドメイン	The luminal domain senses perturbations in protein folding in the ER, probably through reversible interaction with HSPA5/BIP.
翻訳後修飾	Autophosphorylated. N-glycosylated.
細胞内局在	Endoplasmic reticulum membrane.

画像



All lanes : Anti-PERK antibody (ab79483) at 1/500 dilution

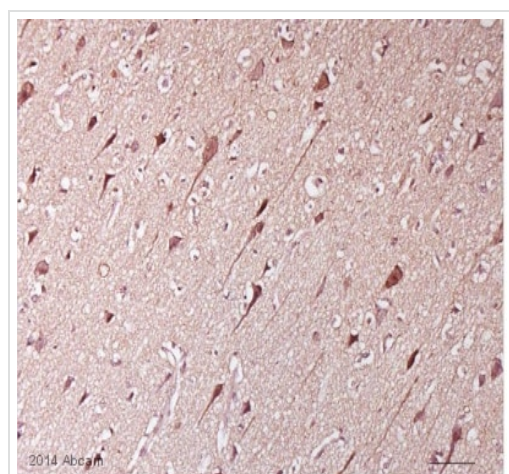
Lane 1 : extracts from MCF-7 cells

Lane 2 : extracts from MCF-7 cells with immunising peptide at 10 µg

Lysates/proteins at 30 µg per lane.

Predicted band size: 125 kDa

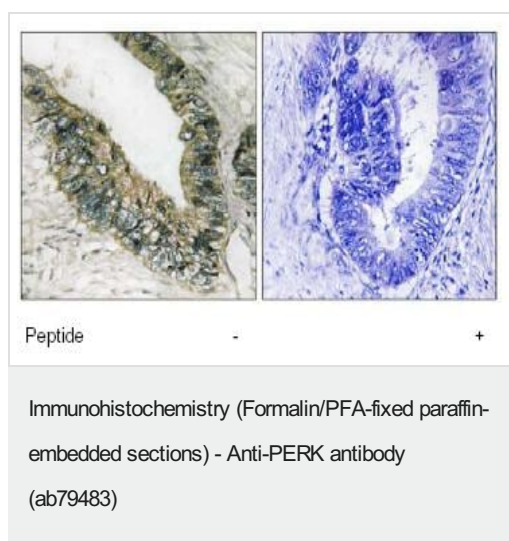
Observed band size: 125 kDa



IHC-P image of PERK staining on human cortical sections using ab79483 (1:500). The tissue was fixed in formaldehyde and the sections were then subjected to heat mediated antigen retrieval using citric acid and permeabilized using Triton-X. The sections were then blocked using 2% BSA for 1 hour at 20°C. ab79483 was diluted 1:500 and incubated with the sections for 18 hours at 20°C. The secondary antibody used was HRP conjugated Goat polyclonal to Rabbit IgG (1:500)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PERK antibody (ab79483)

This image is courtesy of an anonymous abreview.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, stained with ab79483 at 1/50-1/100 dilution, in the absence and presence of the immunising peptide

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