abcam

Product datasheet

# Human Kindlin-1 peptide ab69694

画像数 1

## 製品の詳細

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| **製品名** | Human Kindlin-1 peptide |
| **精製度** | > 70 % HPLC.<br>70 - 90% by HPLC |
| **Animal free** | No |
| **由来** | Synthetic |
| **生物種** | Human |

## 特性

Our **Abpromise guarantee** covers the use of **ab69694** in the following tested applications.

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

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| **アプリケーション** | Blocking - Blocking peptide for Anti-Kindlin-1 antibody (**ab68041**) |
| **製品の状態** | Liquid |
| **備考** | *- First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions.*<br>*- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.*<br>*- Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent.*<br>*- Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised.*<br>*- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.*<br>This product was previously labelled as Kindlin |

## 前処理および保存

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| **保存方法および安定性** | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.<br>Information available upon request. |

## 関連情報

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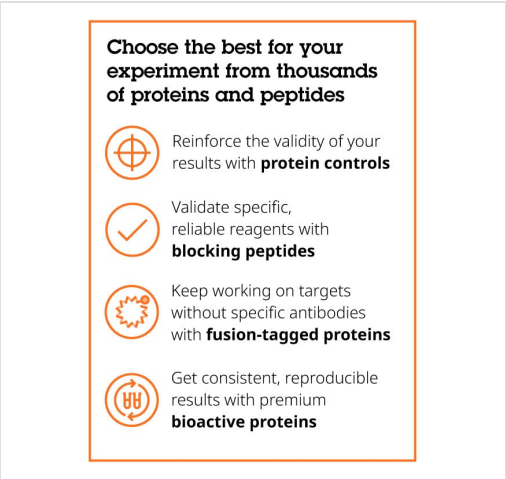
| **機能** | Involved in cell adhesion. Contributes to integrin activation. When coexpressed with talin, potentiates activation of ITGA2B. Required for normal keratinocyte proliferation. Required for normal polarization of basal keratinocytes in skin, and for normal cell shape. Required for normal adhesion of keratinocytes to fibronectin and laminin, and for normal keratinocyte migration to wound sites. May mediate TGF-beta 1 signaling in tumor progression. |
| **組織特異性** | Expressed in brain, skeletal muscle, kidney, colon, adrenal gland, prostate, and placenta. Weakly or not expressed in heart, thymus, spleen, liver, small intestine, bone marrow, lung and peripheral blood leukocytes. Overexpressed in some colon and lung tumors. In skin, it is localized within the epidermis and particularly in basal keratocytes. Not detected in epidermal melanocytes and dermal fibroblasts. |
| **関連疾患** | Defects in FERMT1 are the cause of Kindler syndrome (KINDS) [MIM:173650]. An autosomal recessive skin disorder characterized by skin blistering, photosensitivity, progressive poikiloderma, and extensive skin atrophy. Additional clinical features include gingival erosions, ocular, esophageal, gastrointestinal and urogenital involvement, and an increased risk of mucocutaneous malignancy. Note=Although most FERMT1 mutations are predicted to lead to premature termination of translation, and to loss of FERMT1 function, significant clinical variability is observed among patients. There is an association of FERMT1 missense and in-frame deletion mutations with milder disease phenotypes, and later onset of complications (PubMed:21936020). |
| **配列類似性** | Belongs to the kindlin family.<br>Contains 1 FERM domain.<br>Contains 1 PH domain. |
| **ドメイン** | The FERM domain is not correctly detected by PROSITE or Pfam techniques because it contains the insertion of a PH domain. The FERM domain contains the subdomains F1, F2 and F3. It is preceded by a F0 domain with a ubiquitin-like fold. The F0 domain is required for integrin activation and for localization at focal adhesions. |
| **細胞内局在** | Cytoplasm > cytoskeleton. Cell junction > focal adhesion. Cell projection > ruffle membrane. Constituent of focal adhesions. Localized at the basal aspect of skin keratinocytes, close to the cell membrane. Colocalizes with filamentous actin. Upon TGFB1 treatment, it localizes to membrane ruffles. |

## 画像




Human Kindlin-1 peptide (ab69694)

To learn more about our protein and peptide range click **here**.

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

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- 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

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