

# Recombinant Human EPB41 protein ab114654

### 1 图像

#### 描述

产品名称	重组人EPB41蛋白
表达系统	Wheat germ
Accession	<u><a href="#">P11171</a></u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	

MTTEKSLVTEAENSQHQQKEEGEEAINSGQEPQQEESCQTA  
AEGDNWCE  
QKLKASNGDTPHEDLTKNKERTSESRGLSRLFSSFLKRPKS  
QVSEEEGK  
EVESDKEKEGGGQKEIEFGTSLDEEIIILKAPIAAPEPELKT  
PSLDLHSL  
SSAETQPAQEELREDPDFEIKEGEGLEESKIEVKEESPQSK  
AETELKAS  
QKPIRKHRNMHCKVSLDDTVYECVVEKHAKGQDLLKRVCEH  
LNLLEEDY  
FGLAIWDNATSKTWLDSAKEIKKQVRGVPWNFTFNVKFYPPD  
PAQLTEDI  
TRYYLCLQLRQDIVAGRLPCSFATLALLGSYTIQSELGDYDP  
ELHGVDYV  
SDFKLAPNQTKLEEKVMEHKSYSRSMTPAQADLEFLENAKK  
LSMYGVDL  
HKAKDLEGVDIILGVCSSGLLVYKDKLRINRFPWPKVLKISY  
KRSSFFIK  
IRPGEQEQYESTIGFKLPSYRAAKKLWKCVEHHTFFRLTST  
DTIPKSKF  
LALGSKFRYSGRQAQTRQASALIDRPAPHFERTASKRASRS  
LDGAAAVD  
SADRSRPTSAPAITQGQVAEGGVLDASAKKTVVPAQKETV  
KAEVKKED  
EPPEQAEPEPTEAWKVEKTHIEVTVPTSNQDQTQKKRERLDG  
ENIYIRHS  
NLMLLEDLKSQEEIKKHHASISELKKNFMESVPEPRPSEWDK  
RLSTHSPF RTLNINGQIPTGEGVSTLST

预测分子量	105 kDa including tags
氨基酸	1 to 720

## 技术指标

---

Our **Abpromise guarantee** covers the use of **ab114654** in the following tested applications.

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

应用	ELISA SDS-PAGE Western blot
形式	Solid

## 制备和贮存

---

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
--------	---

## 常规信息

---

功能	Protein 4.1 is a major structural element of the erythrocyte membrane skeleton. It plays a key role in regulating membrane physical properties of mechanical stability and deformability by stabilizing spectrin-actin interaction. Recruits DLG1 to membranes.
疾病相关	Defects in EPB41 are the cause of elliptocytosis type 1 (EL1) [MIM:611804]. EL1 is a Rhesus-linked form of hereditary elliptocytosis, a genetically heterogeneous, autosomal dominant, hematologic disorder. It is characterized by variable hemolytic anemia and elliptical or oval red cell shape. Defects in EPB41 are a cause of hereditary pyropoikilocytosis (HPP) [MIM:266140]. HPP is an autosomal recessive hematologic disorder characterized by hemolytic anemia, microspherocytosis, poikilocytosis, and an unusual thermal sensitivity of red cells.
序列相似性	Contains 1 FERM domain.
翻译后修饰	Phosphorylated at multiple sites by different protein kinases and each phosphorylation event selectively modulates the protein's functions. Phosphorylation on Tyr-660 reduces the ability of 4.1 to promote the assembly of the spectrin/actin/4.1 ternary complex. O-glycosylated; contains N-acetylglucosamine side chains in the C-terminal domain.
细胞定位	Cytoplasm > cytoskeleton. Cytoplasm > cell cortex. Nucleus.

---

## 图片

---



12.5% SDS-PAGE showing ab114654 at approximately 105.27kDa stained with Coomassie Blue.

SDS-PAGE - Recombinant Human EPB41 protein (ab114654)

**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.cn/abpromise> or contact our technical team.

#### **Terms and conditions**

---

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