

## Product datasheet

# Anti-EPB41 antibody ab98854

### 1 图像

#### 概述

产品名称	Anti-EPB41抗体
描述	兔多克隆抗体to EPB41
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Rabbit, Horse, Chicken, Guinea pig, Cat, Dog
免疫原	Synthetic peptide corresponding to a region within N terminal amino acids 107 - 156 (EKGGEGGQKEI EFGTSLDEEI ILKAPIAAPE PELKTDPPLD LHSLSSAETQ) of Human EPB41 (NP_976218; UniProt ID: P11171 isoform 5). <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
阳性对照	Human fetal spleen lysate

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None Constituents: 2% Sucrose, PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

#### 应用

Our [Abpromise guarantee](#) covers the use of **ab98854** in the following tested applications.

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

应用	Ab 评论	说明

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WB		Use a concentration of 1 µg/ml. Predicted molecular weight: for isoform 5, 87 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

## 靶标

### 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.

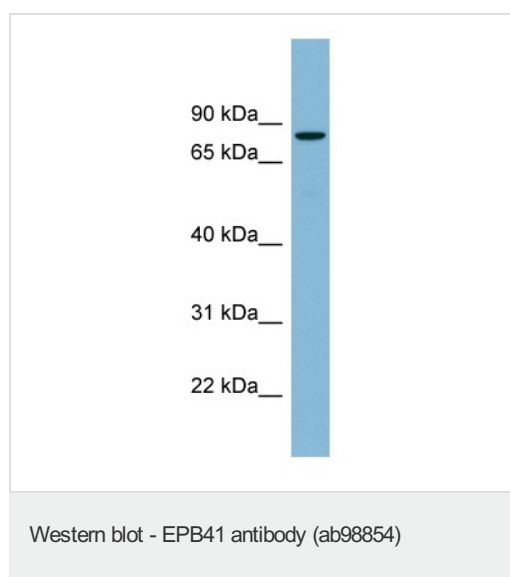
Phosphorylation on Tyr-660 reduces the ability of 4.1 to promote the assembly of the spectrin/actin/4.1 ternary complex.

O-glycosylated; contains N-acetylglucosamine side chains in the C-terminal domain.

### 细胞定位

Cytoplasm > cytoskeleton. Cytoplasm > cell cortex. Nucleus.

## 图片



Anti-EPB41 antibody (ab98854) at 1 µg/ml +  
Human fetal spleen lysate at 10 µg

**Predicted band size:** for isoform 5, 87 kDa

Gel concentration: 12%

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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