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# Phospho-Band 3 (Tyr359) (YD12865) Rabbit mAb

货号: **AYD14059**

## 产品信息

|       |   |
|-------|---|
| 反应    | Human   |
| 宿主    | Rabbit  |
| 克隆性   | Monoclonal  |
| 预测反应  |   |
| 应用    | WB  |
| 推荐浓度  |   |
| 理论分子量 | 102kDa  |
| 实测分子量 |   |
| 形式    | Liquid  |
| 保存条件  | Store at -20°C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3. |
| 偶联物   | Unconjugated  |
| 阳性对照  | U-87MG,K-562,mouse heart,mouse brain,rat liver  |
| 细胞定位  | Cell membrane, Basolateral cell membrane  |
| 纯化    | 亲和纯化  |

## 抗原信息

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| 抗原信息 |  |
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## 靶点信息

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| 研究背景  | The protein encoded by this gene is part of the anion exchanger (AE) family and is expressed in the erythrocyte plasma membrane, where it functions as a chloride/bicarbonate exchanger involved in carbon dioxide transport from tissues to lungs. The protein comprises two domains that are structurally and functionally distinct. The N-terminal 40kDa domain is located in the cytoplasm and acts as an attachment site for the red cell skeleton by binding ankyrin. The glycosylated C-terminal membrane-associated domain contains 12-14 membrane spanning segments and carries out the stilbene disulphonate-sensitive exchange transport of anions. The cytoplasmic tail at the extreme C-terminus of the membrane domain binds carbonic anhydrase II. The encoded protein associates with the red cell membrane protein glycophorin A and this association promotes the correct folding and translocation of the exchanger. This protein is predominantly dimeric but forms tetramers in the presence of ankyrin. Many mutations in this gene are known in man, and these mutations can lead to two types of disease: destabilization of red cell membrane leading to hereditary spherocytosis, and defective kidney acid secretion leading to distal renal tubular acidosis. Other mutations that do not give rise to disease result in novel blood group antigens, which form the Diego blood group system. One null mutation in this gene is known, resulting in very severe anemia and nephrocalcinosis. |
| 基因ID  | 6521   |
| 基因名   | SLC4A1   |
| Swiss | P02730 ( <a href="https://www.uniprot.org/uniprotkb/P02730/entry">https://www.uniprot.org/uniprotkb/P02730/entry</a> )   |
| 别名    | Phospho-Band 3 (Tyr359) (YD12865), Phospho-Band 3 (Tyr359) (YD12865) Rabbit mAb, SLC4A1, Anion exchange protein 1, Solute carrier family 4 member 1, AE1, DI, EPB3   |

## 产品验证

## 实验步骤

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