

## 内收蛋白抗体

产品货号： mlR1114

英文名称： beta Adducin

中文名称： 内收蛋白抗体

别名： ADD 2; ADD B; ADD2; ADDB; ADDL; Adducin 2 (beta); Adducin 2; Adducin like; Adducin like protein 70; Adducin2; Beta adducin; Erythrocyte adducin alpha subunit; Erythrocyte adducin subunit alpha; Erythrocyte adducin subunit beta; MGC3339; MGC44427; ADDB\_HUMAN.

研究领域： 细胞生物 信号转导 结合蛋白 细胞类型标志物 细胞骨架

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Horse, Rabbit,

产品应用： WB=1:200-1000 ELISA=1:500-5000 IHC-P=1:200-1000 IHC-F=1:200-1000 IF=1:200-1000 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 80kDa

细胞定位： 细胞浆 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human beta Adducin protein:401-500/725

**亚 型 :** IgG

**纯化方法 :** affinity purified by Protein A

**储 存 液 :** 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**保存条件 :** Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

**PubMed :** PubMed

**产品介绍 :** Adducins are a family of cytoskeletal proteins encoded by three genes (alpha, beta, gamma). Adducin is a heterodimeric protein that consists of related subunits, which are produced from distinct genes but share a similar structure. Alpha and beta adducin include a protease-resistant N-terminal region and a protease-sensitive, hydrophilic C-terminal region. Alpha and gamma adducins are ubiquitously expressed. In contrast, beta adducin is expressed at high levels in brain and hematopoietic tissues. Adducin binds with high affinity to Ca<sup>2+</sup>/calmodulin and is a substrate for protein kinases A and C. Alternative splicing results in multiple variants encoding distinct isoforms; however, not all variants have been fully described.

**Function:**

Membrane-cytoskeleton-associated protein that promotes the assembly of the spectrin-actin network. Binds to calmodulin. Calmodulin binds preferentially to the beta subunit.

**Subunit:**

Heterodimer of an alpha and a beta subunit.

**Subcellular Location:**

Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein; Cytoplasmic side.

**Tissue Specificity:**

Expressed mainly in brain, spleen, kidney cortex and medulla, and heart. Also expressed in human umbilical vein endothelial cells, human vascular smooth muscle cells, kidney tubular cells and K-562 cell line.

**Post-translational modifications:**

The N-terminus is blocked.

**Similarity:**

Belongs to the aldolase class II family. Adducinbn subfamily.

**SWISS:**

P35612

**Gene ID:**

119

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

内收蛋白(Adducin)是一种膜骨架蛋白,内收蛋白可与肌动蛋白及血影蛋白复合体结合,并且通过  $\text{Ca}^{2+}$ 和钙调蛋白的作用影响骨架蛋白的稳定性,从而影响红细胞的形态.