— ABLYBIO, Help Your Research

# Spectrin α II/SPTAN1 Rabbit mAb

**货号: AYT1180**

## 产品信息

| | |
|---|---|
| 反应 | Human,Mouse,Rat |
| 宿主 | Rabbit |
| 克隆性 | Monoclonal |
| 预测反应 | |
| 应用 | WB, IHC, ICC/IF |
| 推荐浓度 | **WB:** 1:500 - 1:2000 |
| 理论分子量 | 285kDa |
| 实测分子量 | 285kDa |
| 形式 | Liquid |
| 保存条件 | Store at -20℃. 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,Jurkat,A-549,NIH/3T3,Mouse kidney,Rat spinal cord |
| 细胞定位 | Cytoplasm,cell cortex,cytoskeleton |
| 纯化 | Affinity purification |

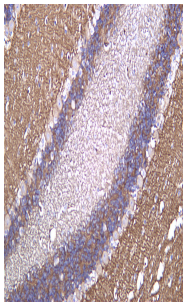
## 抗原信息

| | |
|---|---|
| 抗原信息 | Synthesized peptide derived from Human Cleaved SPTA2 (Asp1185). |

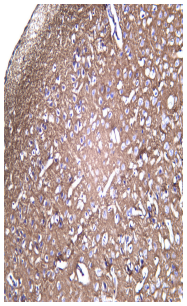
## 靶点信息

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|---|---|
| 研究背景 | Spectrins are a family of filamentous cytoskeletal proteins that function as essential scaffold proteins that stabilize the plasma membrane and organize intracellular organelles. Spectrins are composed of alpha and beta dimers that associate to form tetramers linked in a head-to-head arrangement. This gene encodes an alpha spectrin that is specifically expressed in nonerythrocytic cells. The encoded protein has been implicated in other cellular functions including DNA repair and cell cycle regulation. Mutations in this gene are the cause of early infantile epileptic encephalopathy-5. Alternate splicing results in multiple transcript variants. |
| 基因ID | 6709 |
| 基因名 | SPTAN1 |
| Swiss | Q13813 (https://www.uniprot.org/uniprotkb/Q13813/entry) |
| 别名 | SPTAN1,EIEE5,NEAS,SPTA2,Spectrin α II/SPTAN1 Rabbit mAbAntibody,Alpha-II spectrin,Fodrin alpha chain, Spectrin,non-erythroid alpha subunit, |

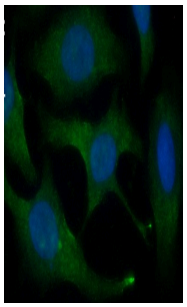
## 产品验证



Mouse brain was stained with anti-Spectrin α II Rabbit antibody，1：200



Rat brain was stained with anti-Spectrin α II Rabbit antibody，1：200



Immunofluorescence analysis of HeLa cells labelling SPTAN1 with The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with Spectrin α II/SPTAN1 Rabbit mAb (1:200) at room temprature for 1 h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488. Nuclear DNA was labeled in blue with DAPI.

## 实验步骤

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