



Rabbit Anti-SUR1 antibody

SL3641R

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|-------------------------------|---|
| Product Name: | SUR1 |
| Chinese Name: | 磺酰脲类药物受体1抗体 |
| Alias: | ABC36; Abcc8; ATP binding cassette sub family C (CFTR/MRP) member 8; ATP binding cassette transporter sub family C member 8 (1); HHF1; HRINS; MRP8; PHHI; Sulfonylurea receptor 1; SUR. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Dog,Pig,Horse,Guinea Pig, |
| Applications: | WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 175kDa |
| Cellular localization: | The cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human SUR1:301-400/1581<Extracellular> |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | 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 |
| Product Detail: | SUR1 is a member of ATP binding cassette super family. SUR receptor confers the sensitivity of Kir6.2 to ATP/ADP sensitivity and to pharmacological agents such as sulfonylurea and diazoxide that close or open the KATP channels. The persistent hyperinsulinemic hypoglycemia in infancy (PHHI) is familial disorder due to defect in negative feed back in response to low glucose levels. SUR1 was mapped on |

chromosome 11p14-15.1, the same location where the gene for PHHI is located. It has been shown that the expression of Kir6.2 and SUR1 are regulated by glucose levels and the actives of glucagon like peptide receptor 1. Abnormal insulin secretion in PHHI appears to be caused by mutations in the SUR gene.

Subunit:

Interacts with KCNJ11.

Subcellular Location:

Membrane; Multi-pass membrane protein.

Similarity:

Belongs to the ABC transporter superfamily. ABCC family. Conjugate transporter (TC 3.A.1.208) subfamily.

Contains 2 ABC transmembrane type-1 domains.

Contains 2 ABC transporter domains.

SWISS:

Q09428

Gene ID:

6833

Database links:

[Entrez Gene: 6833](#)Human

[Entrez Gene: 20927](#)Mouse

[Entrez Gene: 25559](#)Rat

[Omim: 600509](#)Human

[SwissProt: Q09428](#)Human

[SwissProt: Q09429](#)Rat

[Unigene: 54470](#)Human

[Unigene: 11187](#)Rat

Important Note:

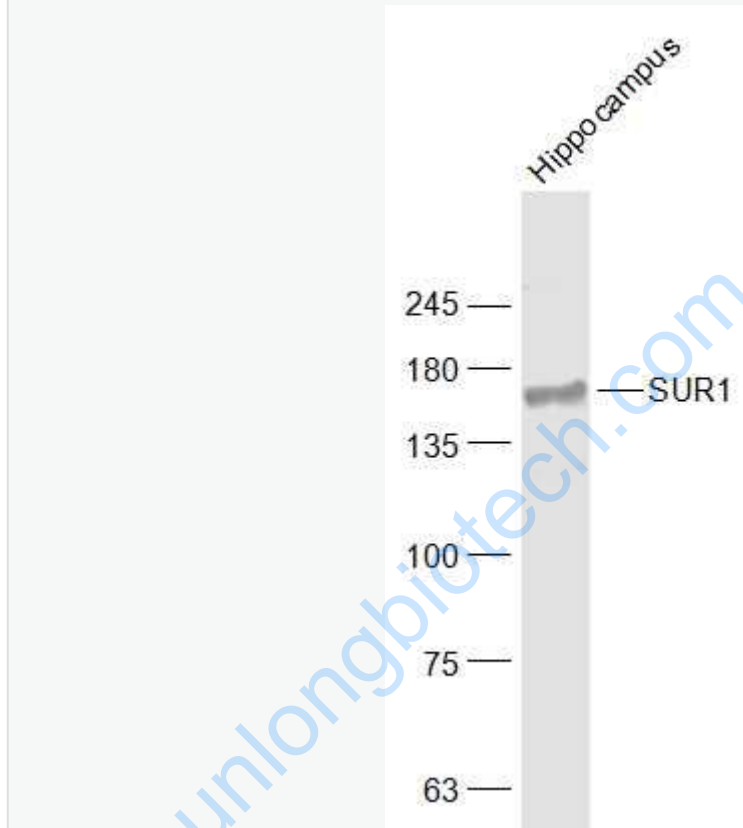
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胰岛βThe cell

membrane含有磺酰脲受体及与之相偶联的ATP敏感的钾通道Ik(ATP), 以及电压

依赖性的钙通道。当磺酰脲类药物与其受体相结合后，可阻滞Ik(ATP)而阻钾外流，致使The cell membrane去极化，增强电压依赖性钙通道开放，胞外钙内流。胞内游离钙浓度增加后，触发胞吐作用及胰岛素的释放。

Picture:



Sample:

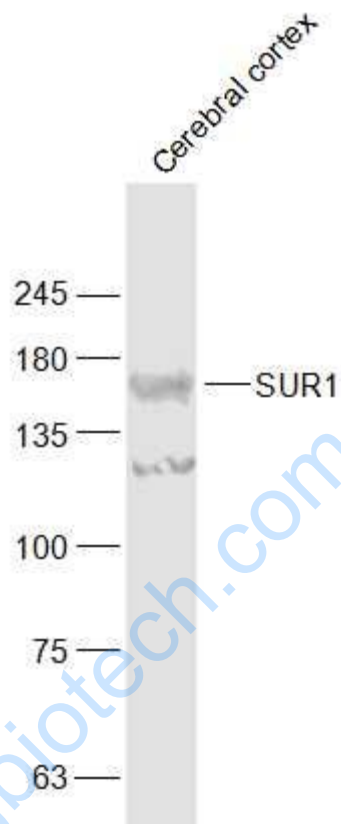
Hippocampus (Mouse) Lysate at 40 ug

Primary: Anti-SUR1 (SL3641R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 175 kD

Observed band size: 175 kD



Sample:

Cerebral cortex (Mouse) Lysate at 40 ug

Primary: Anti-SUR1 (SL3641R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 175 kD

Observed band size: 175 kD