

## Product datasheet for **TA351216**

### **GIRK2 (KCNJ6) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: A549 cells IHC: 50-200 Positive control: Human gastric cancer Predicted cell location: Cytoplasm or Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human KCNJ6
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	48 kDa
Gene Name:	potassium voltage-gated channel subfamily J member 6
Database Link:	<a href="#">NP_002231</a> <a href="#">Entrez Gene 16522 Mouse</a> <a href="#">Entrez Gene 25743 Rat</a> <a href="#">Entrez Gene 3763 Human</a> <a href="#">P48051</a>



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**Background:**

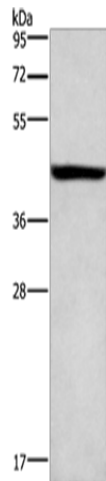
Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins and may be involved in the regulation of insulin secretion by glucose. It associates with two other G-protein-activated potassium channels to form a heteromultimeric pore-forming complex.

**Synonyms:**

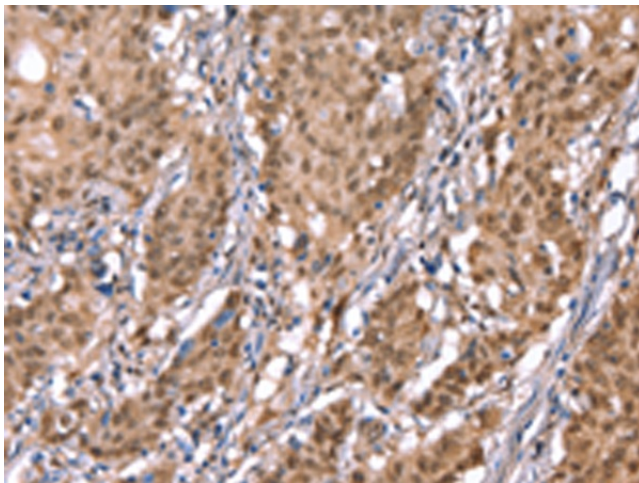
BIR1; GIRK-2; GIRK2; hiGIRK2; KATP-2; KATP2; KCNJ7; KIR3.2

**Protein Families:**

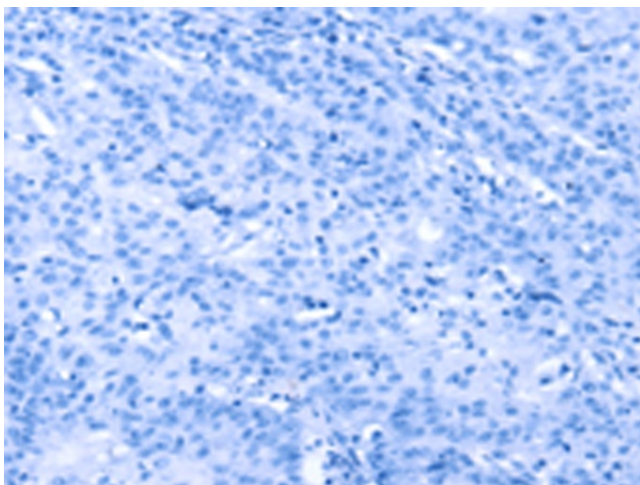
Druggable Genome, Ion Channels: Potassium, Transmembrane

**Product images:**

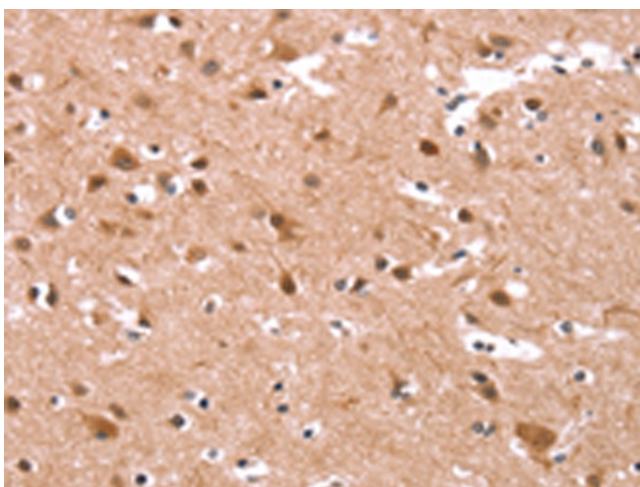
Gel: 8%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane: A549 cells  
Primary antibody: TA351216 (KCNJ6 Antibody) at dilution 1/600  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 1 minute



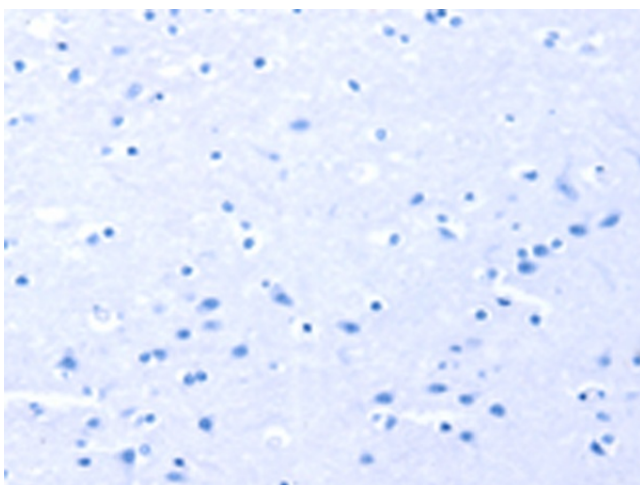
Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA351216 (KCNJ6 Antibody) at dilution 1/40 (Original magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA351216 (KCNJ6 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA351216 (KCNJ6 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA351216 (KCNJ6 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)