

## Rabbit anti-Mouse, Rat Kir5.1 Polyclonal Antibody | anti-Kir5.1 antibody

Kir5.1 (Phospho-Ser417) Antibody

|                               |                       |                                 |                                                                                      |
|-------------------------------|-----------------------|---------------------------------|--------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA316413</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|---------------------------------|--------------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

Kir5.1; Polyclonal Antibody; Kir5.1 (Phospho-Ser417) Antibody; IRK16; IRKG; Inward rectifier K channel Kir5.1; KCNJ16; Potassium channel inwardly rectifying subfamily J member 16; anti-Kir5.1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                  |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                           |
| Reactivity                                       | Mouse, Rat                                                                                                                                                                                       |
| Clonality                                        | Polyclonal                                                                                                                                                                                       |
| Specificity                                      | Kir5.1 (Phospho-Ser417) Antibody detects endogenous levels of Kir5.1 only when phosphorylated at Ser417.                                                                                         |
| Purity/Purification                              | Purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Form/Format                                      | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                               |
| Concentration                                    | 1 mg/ml (varies by lot)                                                                                                                                                                          |
| Sequence Length                                  | 419                                                                                                                                                                                              |
| Applicable Applications for anti-Kir5.1 antibody | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                    |
| Target Modification                              | Phospho                                                                                                                                                                                          |
| Modification Sites                               | M:S417; R:S417                                                                                                                                                                                   |
| Immunogen                                        | The antiserum was produced against synthesized peptide derived from mouse Kir5.1 around the phosphorylation site of Ser417.                                                                      |
| Immunogen Range                                  | 369-418                                                                                                                                                                                          |
| Preparation and Storage                          | Stable at -20 degree C for at least 1 year.                                                                                                                                                      |

### IMAGES



#### WB (Western Blot)

Western blot analysis of lysates from RAW264.7 cells treated with forskolin 40nM 30', using Kir5.1 (Phospho-Ser417) Antibody. The lane on the right is blocked with the phospho peptide.



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain, using Kir5.1 (Phospho-Ser417) Antibody. The picture on the right is blocked with the phospho peptide.



#### IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells, using Kir5.1 (Phospho-Ser417) Antibody. The picture on the right is blocked with the phospho peptide.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI GI #                        | 356582281                                                     |
| NCBI GeneID                      | 16517                                                         |
| NCBI Accession #                 | NP_001239136.1                                                |
| NCBI GenBank Nucleotide #        | NM_001252207.1                                                |
| UniProt Accession #              | Q9Z307; Q8BH37                                                |
| Molecular Weight                 | 47 kDa                                                        |
| NCBI Official Full Name          | inward rectifier potassium channel 16                         |
| NCBI Official Synonym Full Names | potassium inwardly-rectifying channel, subfamily J, member 16 |
| NCBI Official Symbol             | Kcnj16                                                        |
| NCBI Official Synonym Symbols    | Kir5.1; AI132396; 6430410F18Rik                               |
| NCBI Protein Information         | inward rectifier potassium channel 16                         |
| UniProt Protein Name             | Inward rectifier potassium channel 16                         |
| UniProt Gene Name                | Kcnj16                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/kir51-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/316413>