

## Kv4.2/KCND2 Antibody | anti-Kv4.2/KCND2 antibody

Kv4.2/KCND2 (Phospho-Ser616) Antibody

|                              |                                        |                                                    |
|------------------------------|----------------------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA18001</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|------------------------------|----------------------------------------|----------------------------------------------------|

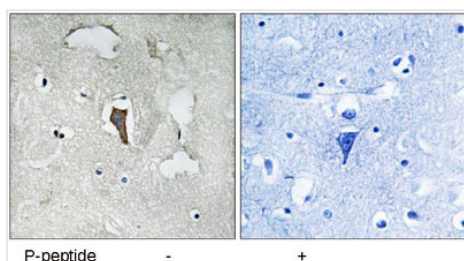
### PRODUCT SYNONYMS

Kv4.2/KCND2; Kv4.2/KCND2 (Phospho-Ser616) Antibody; KCND2; KIAA1044; Potassium channel Kv4.2; Potassium voltage-gated channel subfamily D member 2; anti-Kv4.2/KCND2 antibody

### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                            | Human, Mouse, Rat                                                                                                                                                                                                                                                    |
| Specificity                                           | Kv4.2/KCND2 (Phospho-Ser616) antibody detects endogenous levels of Kv4.2/KCND2 only when phosphorylated at serine 616.                                                                                                                                               |
| Form/Format                                           | Rabbit IgG in phosphate buffered saline (without $Mg^{2+}$ and $Ca^{2+}$ ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                 |
| Concentration                                         | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                              |
| Sequence Length                                       | 630                                                                                                                                                                                                                                                                  |
| Applicable Applications for anti-Kv4.2/KCND2 antibody | IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                                    |
| Application Notes                                     | IHC: 1:50-1:100<br>ELISA: 1:5000                                                                                                                                                                                                                                     |
| Immunogen                                             | The antiserum was produced against synthesized phosphopeptide derived from human Kv4.2/KCND2 around the phosphorylation site of serine 616 (P-E-SP-P-E).                                                                                                             |
| Purification                                          | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| All Sites                                             | Human: Ser616<br>Mouse: Ser616<br>Rat: Ser616                                                                                                                                                                                                                        |
| Preparation and Storage                               | Store at -20 degree C for 1 year.                                                                                                                                                                                                                                    |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Kv4.2/KCND2 (Phospho-Ser616) antibody.

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                   |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-Kv4.2/KCND2 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                              | Kong W., Am. J. Physiol. 275:H1963-H1970(1998). Kikuno R., DNA Res. 6:197-205(1999). Zhu X.-R., Recept. Channels 6:387-400(1999).                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 9789987                                                |
| NCBI GeneID                      | 3751                                                   |
| NCBI Accession #                 | NP_036413.1                                            |
| NCBI GenBank Nucleotide #        | NM_012281.2                                            |
| UniProt Accession #              | Q9NZV8; O95012; O95021; Q2TBD3; Q9UBY7; Q9UN98; Q9UNH9 |
| NCBI Official Full Name          | potassium voltage-gated channel subfamily D member 2   |
| NCBI Official Synonym Full Names | potassium voltage-gated channel subfamily D member 2   |
| NCBI Official Symbol             | KCND2                                                  |
| NCBI Official Synonym Symbols    | RK5; KV4.2                                             |
| NCBI Protein Information         | potassium voltage-gated channel subfamily D member 2   |
| UniProt Protein Name             | Potassium voltage-gated channel subfamily D member 2   |
| UniProt Gene Name                | KCND2                                                  |
| UniProt Synonym Gene Names       | KIAA1044                                               |

**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://www.aaabiotech.com/human-mouse-rat-antibody/kv4-2-kcnd2/18001>