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Datasheet for ABIN7043296

## anti-KCNIP2 antibody (Cytosolic, N-Term)

3 Images



Go to Product page

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| Quantity:            | 25 μL                                                                                                                                                                                                                                                                                                         |  |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Target:              | KCNIP2                                                                                                                                                                                                                                                                                                        |  |
| Binding Specificity: | AA 2-15, Cytosolic, N-Term                                                                                                                                                                                                                                                                                    |  |
| Reactivity:          | Human, Mouse, Rat                                                                                                                                                                                                                                                                                             |  |
| Host:                | Rabbit                                                                                                                                                                                                                                                                                                        |  |
| Clonality:           | Polyclonal                                                                                                                                                                                                                                                                                                    |  |
| Conjugate:           | This KCNIP2 antibody is un-conjugated                                                                                                                                                                                                                                                                         |  |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)                                                                                                                                                                                                                                    |  |
| Product Details      |                                                                                                                                                                                                                                                                                                               |  |
| Immunogen:           | Immunogen: Synthetic peptide Immunogen Sequence: (C)RGQGRKESLSDSRD, corresponding to amino acid residues 2-15 of human KChIP2                                                                                                                                                                                 |  |
| Isotype:             | IgG                                                                                                                                                                                                                                                                                                           |  |
| Characteristics:     | Anti-KChIP2 Antibody (ABIN7043296, ABIN7045040 and ABIN7045041)) is a highly specific antibody directed against an epitope of the human protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize KChIP2 from rat, mouse, and human samples. |  |
| Purification:        | Affinity purified on immobilized antigen.                                                                                                                                                                                                                                                                     |  |

### **Target Details**

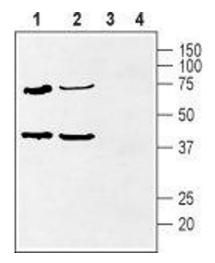
| Target:           | KCNIP2                                                                                                                                                                         |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | KChIP2 (KCNIP2 Products)                                                                                                                                                       |
| Background:       | Alternative names: KChIP2, KCNIP2, KV channel-interacting protein 2, A-type potassium channel modulatory protein 2, Cardiac voltage-gated potassium channel modulatory subunit |
| Gene ID:          | 30819                                                                                                                                                                          |
| NCBI Accession:   | NM_014591                                                                                                                                                                      |
| UniProt:          | Q9NS61                                                                                                                                                                         |

## **Application Details**

| Application Notes: | Optimal working dilution should be determined by the investigator. |
|--------------------|--------------------------------------------------------------------|
| Restrictions:      | For Research Use only                                              |

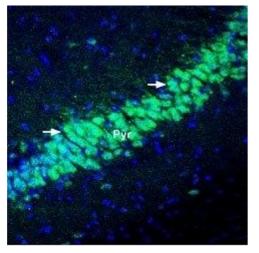
## Handling

| Format:            | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reconstitution:    | $25~\mu\text{L},50~\mu\text{L}$ or 0.2 mL double distilled water (DDW), depending on the sample size.                                                                                                                                                                                                                                                                                                              |
| Concentration:     | 0.8 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                          |
| Buffer:            | Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.                                                                                                                                                                                                                                                                                                             |
| Preservative:      | Sodium azide                                                                                                                                                                                                                                                                                                                                                                                                       |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                                                                                                                                                                                                                             |
| Storage:           | RT,4 °C,-20 °C                                                                                                                                                                                                                                                                                                                                                                                                     |
| Storage Comment:   | Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.  Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week.  For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min). |



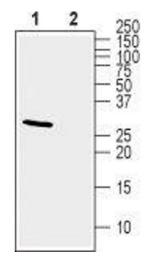
#### **Western Blotting**

**Image 1.** Western blot analysis of rat heart (lanes 1 and 3) and rat hippocampus (lanes 2 and 4) lysate: - 1,2. Anti-KChIP2 Antibody (ABIN7043296, ABIN7045040 and ABIN7045041), (1:200).3,4. Anti-KChIP2 Antibody, preincubated with KChIP2 Blocking Peptide (#BLP-PC142).



#### **Immunohistochemistry**

Image 2. Expression of KChIP2 in mouse hippocampus - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections using Anti-KChIP2 Antibody (ABIN7043296, ABIN7045040 and ABIN7045041), (1:400), followed by goat-anti-rabbit-Alexa-488 (green). KChIP2 staining in the hippocampal CA1 region appears in neuronal profiles (arrows) in the pyramidal layer (Pyr). DAPI is used to stain nuclei (blue).



#### **Western Blotting**

**Image 3.** Western blot analysis of mouse brain lysate: 1. Anti-KChIP2 Antibody (ABIN7043296, ABIN7045040 and ABIN7045041), (1:200).2. Anti-KChIP2 Antibody, preincubated with KChIP2 Blocking Peptide (#BLP-PC142).