

**KCNV1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56467****Specification**

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**KCNV1 Polyclonal Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">Q6PIU1</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56304

**KCNV1 Polyclonal Antibody - Additional Information****Gene ID** 27012**Other Names**

Potassium voltage-gated channel subfamily V member 1, Neuronal potassium channel alpha subunit HNKA, Voltage-gated potassium channel subunit Kv8.1, KCNV1

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

**KCNV1 Polyclonal Antibody - Protein Information****Name** KCNV1**Function**

Potassium channel subunit that does not form functional channels by itself. Modulates KCNB1 and KCNB2 channel activity by shifting the threshold for inactivation to more negative values and by slowing the rate of inactivation. Can down-regulate the channel activity of KCNB1, KCNB2, KCNC4 and KCND1, possibly by trapping them in intracellular membranes.

**Cellular Location**

Cell membrane; Multi-pass membrane protein. Note=Has to be associated with another potassium channel subunit to get inserted in the plasma membrane. Remains intracellular in the absence of KCNB2

**Tissue Location**

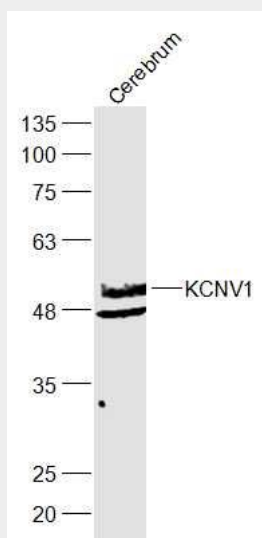
Detected in brain..

## KCNV1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## KCNV1 Polyclonal Antibody - Images



### Sample:

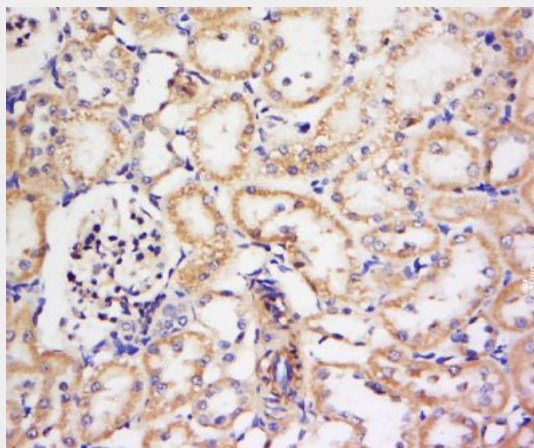
Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-KCNV1 (bs-16920R) at 1/300 dilution

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

Predicted band size: 56 kD

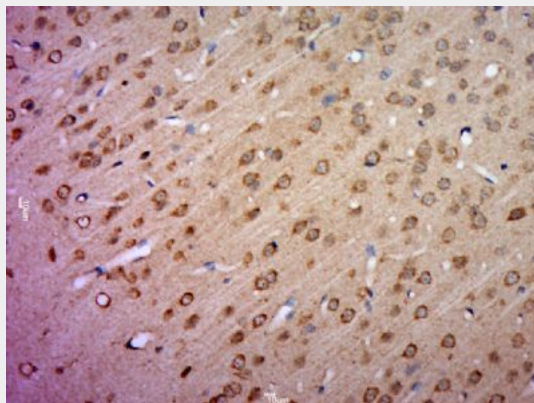
Observed band size: 56 kD



Tissue/cell: Rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-KCNV1 Polyclonal Antibody, Unconjugated(bs-16920R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KCNV1) Polyclonal Antibody, Unconjugated (bs-16920R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.