

**Kv1.6 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54765****Specification**

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**Kv1.6 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P17658</a>
Reactivity	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58729

**Kv1.6 Polyclonal Antibody - Additional Information****Gene ID** 3742**Other Names**

Potassium voltage-gated channel subfamily A member 6, Voltage-gated potassium channel HBK2, Voltage-gated potassium channel subunit Kv1.6, KCNA6

**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.

**Kv1.6 Polyclonal Antibody - Protein Information****Name** KCNA6**Function**

Voltage-gated potassium channel that mediates transmembrane potassium transport in excitable membranes. Forms tetrameric potassium- selective channels through which potassium ions pass in accordance with their electrochemical gradient (PubMed: [2347305](http://www.uniprot.org/citations/2347305), PubMed: [14575698](http://www.uniprot.org/citations/14575698)). The channel alternates between opened and closed conformations in response to the voltage difference across the membrane (PubMed: [2347305](http://www.uniprot.org/citations/2347305), PubMed: [14575698](http://www.uniprot.org/citations/14575698)). Can form functional homotetrameric channels and heterotetrameric channels that contain variable proportions of KCNA1, KCNA2, KCNA4, KCNA6, and possibly other family members as well; channel properties depend on the type of alpha subunits that are part of the channel (By similarity). Channel properties are modulated by cytoplasmic beta subunits that regulate the subcellular location of the alpha subunits and promote rapid inactivation (By similarity). Homotetrameric channels display rapid activation and slow inactivation (PubMed: [2347305](http://www.uniprot.org/citations/2347305)).

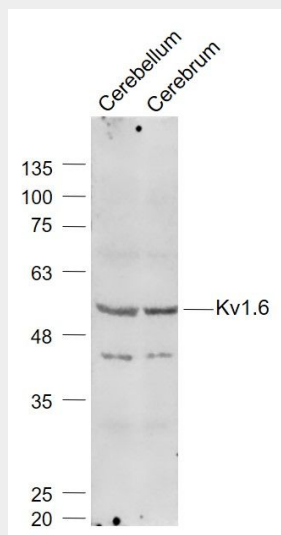
**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Kv1.6 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](#)

**Kv1.6 Polyclonal Antibody - Images****Sample:**

Cerebellum (Mouse) Lysate at 40 ug

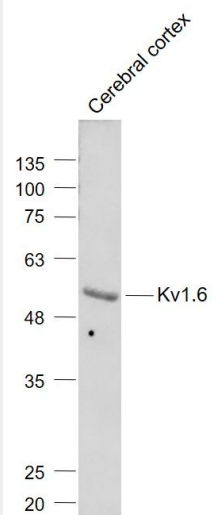
Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti- Kv1.6 (bs-12184R) at 1/1000 dilution

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

Predicted band size: 59 kD

Observed band size: 59 kD



**Sample:**

Cerebral cortex (Mouse) Lysate at 40 ug

Primary: Anti- Kv1.6 (bs-12184R) at 1/1000 dilution

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

Predicted band size: 59 kD

Observed band size: 59 kD