

Kv1.6 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54765

Specification

Kv1.6 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P17658
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) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

Storage

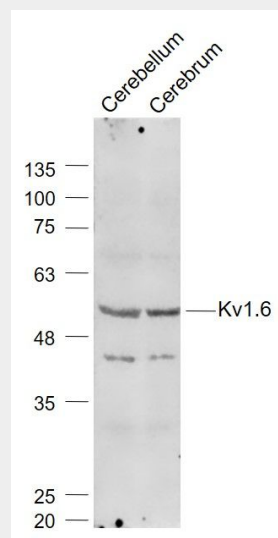
Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Kv1.6 Polyclonal Antibody - Protein Information

Name KCNA6

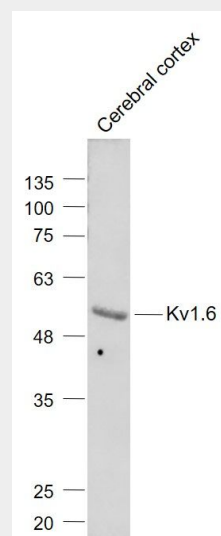
Function

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),



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:

PubMed:14575698). The channel alternates between opened and closed conformations in response to the voltage difference across the membrane (PubMed:2347305, PubMed: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).

Cellular Location

Cell membrane; Multi-pass membrane protein

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

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](#)