

bs-16865R**[Primary Antibody]****Bioss**
ANTIBODIES

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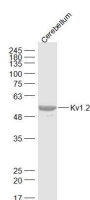
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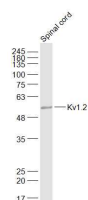
400-901-9800

Kv1.2 Rabbit pAb**— DATASHEET —**

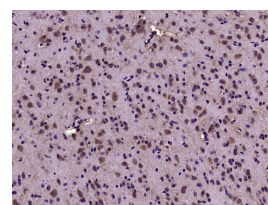
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Cow, Zebrafish, Chicken, Dog, Horse) Predicted MW.: 57 kDa Subcellular Location: Cell membrane
Clonality: Polyclonal		
GeneID: 3737	SWISS: P16389	
Target: Kv1.2		
Immunogen: KLH conjugated synthetic peptide derived from human Kv1.2: 401-499/499.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Kv1.2 mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which K(+) ions may pass in accordance with their electrochemical gradient. Kv1.2 binds PDZ domains of DLG1, DLG2 and DLG4. The N-terminus may be important in determining the rate of inactivation of the channel while the tail may play a role in modulation of channel activity and/or targeting of the channel to specific subcellular compartments.		

— VALIDATION IMAGES —

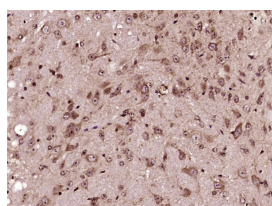
Sample: Cerebellum (Mouse) Lysate at 40 ug
 Primary: Anti-Kv1.2 (bs-16865R) at 1/1000
 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 57 kD Observed band size: 57 kD



Sample: Spinal cord (Mouse) Lysate at 40 ug
 Primary: Anti-Kv1.2 (bs-16865R) at 1/1000
 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 57 kD Observed band size: 57 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse cerebellum); 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 (Kv1.2) Polyclonal Antibody, Unconjugated (bs-16865R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen

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peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Kv1.2) Polyclonal Antibody, Unconjugated (bs-16865R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=7.5]** Xiaomin Yang. et al. Cinnamaldehyde prevents coronary artery spasm by down-regulating the function and expression of voltage-gated Ca²⁺ channels and Ca²⁺ -activated Cl⁻ channels in the arterial smooth muscle cells. BIOMED PHARMACOTHER. 2025 Jul;188:118213 IF ;Rat. 40449169
- **[IF=6.2]** Xiaomin Yang. et al. Crotonaldehyde paralyzes arteries by inducing impairment of ion channels, vascular histiocytic injury, overproduction of reactive oxygen species, mitochondrial damage, and autophagy. ECOTOX ENVIRON SAFE. 2024 Oct;285:117083 IF ;Rat. 39317073
- **[IF=5.4]** Xiaojia Xu. et al. Anji white tea relaxes precontracted arteries, represses voltage-gated Ca²⁺ channels and voltage-gated K⁺ channels in the arterial smooth muscle cells: Comparison with green tea main component (–)-epigallocatechin gallate. J ETHNOPHARMACOL. 2024 Feb;;117855 IF ;Rat. 38346524