### bs-16865R

## [ Primary Antibody ]

# Kv1.2 Rabbit pAb



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– DATASHEET –		400-901-9800
Host: Rabbit	<b>Isotype:</b> IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		<b>IHC-P</b> (1:100-500)
GenelD: 3737	<b>SWISS:</b> P16389	<b>IF</b> (1:100-500)
Target: Kv1.2		
Immunogen: KLH conjugate 401-499/499.	ed synthetic peptide derived from human Kv1.2:	
Purification: affinity purified by Protein A		Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Cow, Zebrafish, Chicken, Dog, Horse) Predicted
Concentration: 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> 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.		MW.: <sup>57 kDa</sup> Subcellular Location: <sup>Cell</sup> membrane

#### – 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) instructionsand 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 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) instructionsand DAB staining.

## - SELECTED CITATIONS -

- [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