

bs-20219R**[Primary Antibody]****Bioss**
ANTIBODIES

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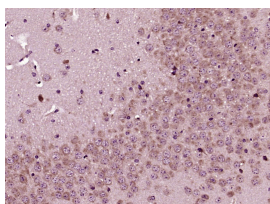
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Kv4.3 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 3752	SWISS: Q9UK17	
Target: Kv4.3		Reactivity: Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human Kv4.3: 451-550/655.		
Purification: affinity purified by Protein A		Predicted MW.: 73 kDa
Concentration: 1mg/ml		Subcellular Location: Cell membrane
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: Voltage gated potassium (Kv) channels represent the most complex class of voltage gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence related potassium channel genes (shaker, shaw, shab, and shal) have been identified in Drosophila, and each has been shown to have human homologs. This protein is a member of the potassium channel, voltage gated, shal related subfamily, members of which form voltage activated A type potassium ion channels and are prominent in the repolarization phase of the action potential. This member includes two isoforms with different sizes, which are encoded by alternatively spliced transcript variants of this gene.		

— VALIDATION IMAGES —

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 (Kv4.3) Polyclonal Antibody, Unconjugated (bs-20219R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=6.9]** Wuping Tan. et al. Celastrol exerts antiarrhythmic effects in chronic heart failure via NLRP3/Caspase-1/IL-1 β signaling pathway. BIOMED PHARMACOTHER. 2024 Aug;177:117121 WB ;Rat. 39002443