

**bs-12184R****[ Primary Antibody ]****Kv1.6 Rabbit pAb****Bioss**  
**ANTIBODIES**

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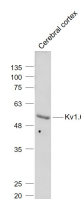
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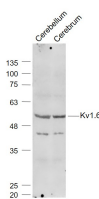
400-901-9800

**DATASHEET**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Chicken)
<b>GeneID:</b> 3742	<b>SWISS:</b> P17658	
<b>Target:</b> Kv1.6		<b>Predicted MW.:</b> 59 kDa
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Kv1.6: 301-400/529.		<b>Subcellular Location:</b> Cell membrane
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 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> Voltage-gated K <sup>+</sup> channels in the plasma membrane control the repolarization and the frequency of action potentials in neurons, muscles, and other excitable cells. The KV gene family encodes more than 30 genes that comprise the subunits of the K <sup>+</sup> channels, and they vary in their gating and permeation properties, subcellular distribution, and expression patterns. Functional KV channels assemble as tetramers consisting of pore-forming alpha-subunits (KV alpha), which include the KV1, KV2, KV3, and KV4 proteins, and accessory or KV beta subunits that modify the gating properties of the coexpressed KV alpha subunits. Differences exist in the patterns of trafficking, biosynthetic processing and surface expression of the major KV1 subunits (KV1.1, KV1.2, KV1.4, KV1.5 and KV1.6) expressed in rat and human brain, suggesting that the individual protein subunits are highly regulated to control for the assembly and formation of functional neuronal channels.		

**VALIDATION IMAGES**

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



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