

**bs-20293R****[ Primary Antibody ]****phospho-Kv4.2 (Thr607) Rabbit pAb****BioSS**  
**ANTIBODIES**

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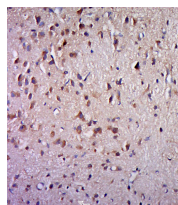
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 3751	<b>SWISS:</b> Q9NZV8	<b>IF</b> (1:100-500)
<b>Target:</b> Kv4.2 (Thr607)		<b>Reactivity:</b> Rat (predicted: Human, Mouse, Rabbit, Pig, Cow)
<b>Immunogen:</b> KLH conjugated synthesised phosphopeptide derived from human KCND2 around the phosphorylation site of Thr607 : VT(p-T)PE.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 70 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cell membrane
<b>Storage:</b> Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4. 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. Pore-forming (alpha) subunit of voltage-gated rapidly inactivating A-type potassium channels. May contribute to I(To) current in heart and I(Sa) current in neurons. Channel properties are modulated by interactions with other alpha subunits and with regulatory subunits.		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (Rat 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 (phospho-Kv4.2 (Thr607)) Polyclonal Antibody, Unconjugated (bs-20293R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.