

**bs-11569R****[ Primary Antibody ]****KCNN3 Rabbit pAb****BioSS**  
**ANTIBODIES**

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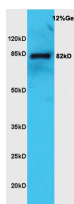
sales@bioss.com.cn

techsupport@bioss.com.cn

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, Cow, Chicken, Dog, Horse)
<b>GeneID:</b> 3782	<b>SWISS:</b> Q9UGI6	<b>Predicted MW.:</b> 82 kDa
<b>Target:</b> KCNN3		<b>Subcellular Location:</b> Cell membrane
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human KCNN3: 251-350/736.		
<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> Action potentials in vertebrate neurons are followed by an afterhyperpolarization (AHP) that may persist for several seconds and may have profound consequences for the firing pattern of the neuron. Each component of the AHP is kinetically distinct and is mediated by different calcium-activated potassium channels. This gene belongs to the KCNN family of potassium channels. It encodes an integral membrane protein that forms a voltage-independent calcium-activated channel, which is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. This gene contains two CAG repeat regions in the coding sequence. It was thought that expansion of one or both of these repeats could lead to an increased susceptibility to schizophrenia or bipolar disorder, but studies indicate that this is probably not the case. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2011]		

**— VALIDATION IMAGES —**

Sample: Pancreas (Mouse) Lysate at 40 ug  
Primary: Anti-KCNN3 (bs-11569R) at 1/300  
dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution  
Predicted band size: 82 kD Observed band size: 82 kD