

**bs-12179R****[ Primary Antibody ]****KIR5.1 Rabbit pAb****BioSS**  
**ANTIBODIES**

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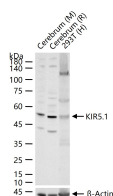
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>ELISA</b> (1:5000-10000)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 3773	<b>SWISS:</b> Q9NPI9	<b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Dog, Horse)
<b>Target:</b> KIR5.1		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human KIR5.1: 101-200/418. < Extracellular >		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 48 kDa
<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>Subcellular Location:</b> Cell membrane
<b>Background:</b> The KIR family of potassium channels possess a greater tendency to allow potassium to flow into the cell rather than out of it. Kir4.1, also known as Kir1.2, is highly expressed in brain including glial cells, astrocytes and cortical neurons. Kir4.1 is also expressed in myelin-synthesizing oligodendrocytes and is crucial to myelination in the developing nervous system. The gene encoding human Kir4.1 maps to chromosome 1. Kir4.2, also known as Kir1.3, is expressed in kidney, lung, heart, thymus and thyroid during development. The gene encoding human Kir4.2 maps to chromosome 21 in the Down syndrome chromosome region 1, and Kir4.2 may play a role in the pathogenesis of Down's syndrome. Kir 5.1 forms functional channels only by coexpression with either Kir4.1 or Kir4.2 in the kidney and pancreas. The gene encoding human Kir5.1 maps to chromosome 17.		

**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with KIR5.1 polyclonal antibody, unconjugated (bs-12179R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.