

**bs-13677R****[ Primary Antibody ]****RUSC1 Rabbit pAb****Bioss**  
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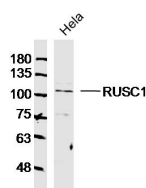
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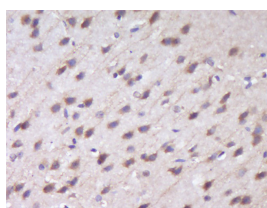
**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 23623**SWISS:** Q9BVN2**Target:** RUSC1**Immunogen:** KLH conjugated synthetic peptide derived from human RUSC1: 281-380/902.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M 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:** RUSC1 is a 902 amino acid protein that contains a RUN domain and a SH3 domain. RUSC1's RUN domain is necessary for NGF induced nuclear redistribution. RUSC1 is a putative signaling adapter which may play a role in neuronal differentiation. RUSC1 seems to be involved in signaling pathways that are regulated by the prolonged activation of MAPK. RUSC2 (RUN and SH3 domain containing 2), also known as Iporin, is a 1,516 amino acid cytoplasmic protein that is widely expressed, with highest levels in brain and testis. The RUN domain of RUSC2 is required for interaction with Rab 1A, Rab 1B and GM130. It is thought that RUSC2 may possibly function as a connector between endoplasmic reticulum (ER) derived vesicle targets triggered by the Rab 1 GTPases and a signaling pathway regulated by molecules containing SH3 and/or poly-proline regions. RUSC2 also consists of a SH3 domain, suggesting a role in protein-protein interactions.

**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse  
(predicted: Rat, Pig, Sheep, Cow)**Predicted MW.:** 96 kDa**Subcellular Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

Sample: HeLa (Human) Cell Lysate at 40 ug  
 Primary: Anti-RUSC1(bs-13677R) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 96kD  
 Observed band size: 105kD



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 (RUSC1) Polyclonal Antibody, Unconjugated (bs-13677R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.