

bs-9902R**[Primary Antibody]****BioSS**
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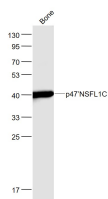
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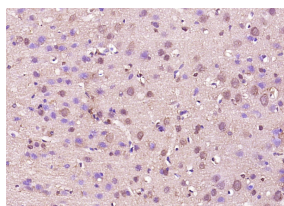
400-901-9800

p47/Pleckstrin Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 5341	SWISS: P08567	IHC-F (1:100-500)
Target: p47/Pleckstrin		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human Pleckstrin: 21-120/350.		Reactivity: Mouse, Rat (predicted: Human, Pig, Sheep, Cow, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 40 kDa
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.		Subcellular Location: Nucleus
Background: Platelet P47, also known as NSFL1C, UBX1, UBXD10 or UBXN2C, is a 370 amino acid protein that localizes to both the nucleus and the golgi apparatus (specifically to golgi stacks) and contains one SEP domain and one UBX domain. Functioning as part of a ternary complex with VCP (a protein involved in the heterotypic fusion of transport vesicles with their target membranes) and Syntaxin 5, p47 interacts with and reduces the ATPase activity of VCP and is required for the fragmentation of golgi stacks during mitosis and for subsequent reassembly of golgi stacks after mitosis. p47 is subject to phosphorylation during mitosis, which inhibits p47-golgi interaction and is, therefore, required for proper golgi stack formation and cisternal regrowth. Human p47 shares 89% sequence identity with its mouse counterpart, suggesting a conserved role between species. Multiple isoforms of p47 exist due to alternative splicing events.		

— VALIDATION IMAGES —

Sample: Bone (Mouse) Lysate at 40 ug Primary:
Anti- p47^{*} NSFL1C (bs-9902R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 40 kD
Observed band size: 40 kD



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 (p47 NSFL1C) Polyclonal Antibody, Unconjugated (bs-9902R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.