

**bs-19356R****[ Primary Antibody ]**

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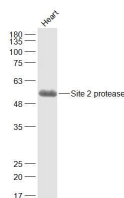
sales@bioss.com.cn

techsupport@bioss.com.cn

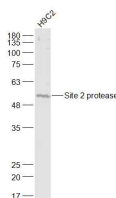
400-901-9800

**Site 2 protease Rabbit pAb****— DATASHEET —**

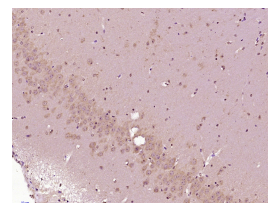
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 51360	<b>SWISS:</b> O43462	
<b>Target:</b> Site 2 protease		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Site 2 protease: 1-100/519.		<b>Reactivity:</b> Mouse, Rat (predicted: Human, Sheep, Cow, Horse)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 57 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 ,Cytoplasm
<b>Background:</b> This gene encodes a intramembrane zinc metalloprotease, which is essential in development. This protease functions in the signal protein activation involved in sterol control of transcription and the ER stress response. Mutations in this gene have been associated with ichthyosis follicularis with atrichia and photophobia (IFAP syndrome); IFAP syndrome has been quantitatively linked to a reduction in cholesterol homeostasis and ER stress response.[provided by RefSeq, Aug 2009]		

**— VALIDATION IMAGES —**

Sample: Heart (Mouse) Lysate at 40 ug Primary:  
Anti-Site 2 protease (bs-19356R) at 1/1000  
dilution Secondary: IRDye800CW Goat Anti-  
Rabbit IgG at 1/20000 dilution Predicted band  
size: 57 kD Observed band size: 57 kD



Sample: H9C2(Rat) Cell Lysate at 30 ug Primary:  
Anti-Site 2 protease (bs-19356R) at 1/1000  
dilution Secondary: IRDye800CW Goat Anti-  
Rabbit IgG at 1/20000 dilution Predicted band  
size: 57 kD Observed band size: 57 kD



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 (Site 2 protease) Polyclonal  
Antibody, Unconjugated (bs-19356R) at 1:400  
overnight at 4°C, followed by operating  
according to SP Kit(Rabbit) (sp-0023)  
instructions and DAB staining.