

**bs-5203R****[ Primary Antibody ]****phospho-ATG4D (Ser467) Rabbit pAb****BioSS**  
**ANTIBODIES**

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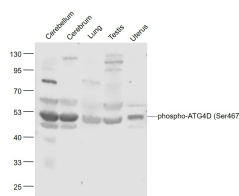
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**— DATASHEET —**

<p><b>Host:</b> Rabbit</p> <p><b>Clonality:</b> Polyclonal</p> <p><b>GeneID:</b> 84971</p> <p><b>Target:</b> ATG4D (Ser467)</p> <p><b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human ATG4D around the phosphorylation site of Ser467: RP(p-S)SE.</p> <p><b>Purification:</b> affinity purified by Protein A</p> <p><b>Concentration:</b> 1mg/ml</p> <p><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.</p> <p><b>Background:</b> Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene belongs to the autophagy-related protein 4 (Atg4) family of C54 endopeptidases. Members of this family encode proteins that play a role in the biogenesis of autophagosomes, which sequester the cytosol and organelles for degradation by lysosomes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]</p>	<p><b>Applications:</b> WB (1:500-2000)</p> <p><b>Reactivity:</b> Mouse (predicted: Human, Rat, Rabbit, Pig, Cow, Dog, Horse)</p> <p><b>Predicted MW.:</b> 53 kDa</p> <p><b>Subcellular Location:</b> Cytoplasm</p>
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**— VALIDATION IMAGES —**

Sample: Cerebellum (Mouse) Lysate at 40 ug  
 Cerebrum (Mouse) Lysate at 40 ug Lung (Mouse)  
 Lysate at 40 ug Testis (Mouse) Lysate at 40 ug  
 Uterus (Mouse) Lysate at 40 ug Primary: Anti-  
 phospho-ATG4D (bs-5203R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
 1/20000 dilution Predicted band size: 53 kD  
 Observed band size: 53 kD