

**bs-1598R****[ Primary Antibody ]****Cathepsin G Rabbit pAb****Bioss**  
**ANTIBODIES**

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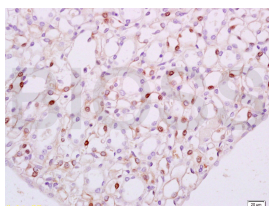
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**— DATASHEET —**

|   |                      |  |
|---|----------------------|--|
| <b>Host:</b> Rabbit   | <b>Isotype:</b> IgG  | <b>Applications:</b> IHC-P (1:100-500)<br>IHC-F (1:100-500)<br>IF (1:100-500)<br><br><b>Reactivity:</b> Rat (predicted: Human, Mouse, Rabbit, Sheep, Cow, Dog, Horse)<br><br><b>Predicted MW.:</b> 28 kDa<br><br><b>Subcellular Location:</b> Cell membrane ,Nucleus |
| <b>Clonality:</b> Polyclonal  |                      |  |
| <b>GeneID:</b> 1511   | <b>SWISS:</b> P08311 |  |
| <b>Target:</b> Cathepsin G  |                      |  |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CTSG: 41-120/255.   |                      |  |
| <b>Purification:</b> affinity purified by Protein A   |                      |  |
| <b>Concentration:</b> 1mg/ml  |                      |  |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.  |                      |  |
| <b>Background:</b> Cathepsin G is a serine protease, it consisting of a single polypeptide with a molecular weight of 30 kDa as determined by SDS-PAGE. Its substrates are collagen and proteoglycans. Poor regulation of Cathepsin G levels has been associated with various connective tissue disorders, for example pulmonary emphysema and cystic fibrosis. |                      |  |

**— VALIDATION IMAGES —**

Tissue/cell: rat kidney tissue; 4%  
Paraformaldehyde-fixed and paraffin-  
embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Cathepsin G Polyclonal Antibody, Unconjugated(bs-1598R) 1:100, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining