

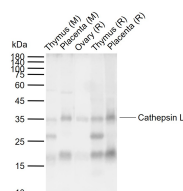
bs-41348R**[Primary Antibody]****Cathepsin L Rabbit pAb****Bioss**
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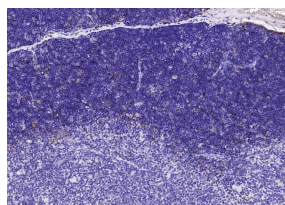
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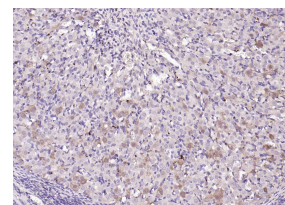
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 13039**SWISS:** P06797**Target:** Cathepsin L**Immunogen:** Recombinant mouse Cathepsin L protein: 114-333/334.**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:** The protein encoded by this gene is a lysosomal cysteine proteinase that plays a major role in intracellular protein catabolism. Its substrates include collagen and elastin, as well as alpha-1 protease inhibitor, a major controlling element of neutrophil elastase activity. The encoded protein has been implicated in several pathologic processes, including myofibril necrosis in myopathies and in myocardial ischemia, and in the renal tubular response to proteinuria. This protein, which is a member of the peptidase C1 family, is a dimer composed of disulfide-linked heavy and light chains, both produced from a single protein precursor. At least two transcript variants encoding the same protein have been found for this gene.**Applications:** **WB** (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:400-800)**IF** (1:100-500)**ELISA** (1:5000-10000)**Reactivity:** Mouse, Rat**Predicted**
MW.: 37 kDa**Subcellular** Lysosome ,Cytoplasmic
Location: vesicle ,Membrane
,Secreted ,Cell membrane**— VALIDATION IMAGES —**

Sample: Lane 1: Mouse Thymus tissue lysates
 Lane 2: Mouse Placenta tissue lysates Lane 3: Rat
 Ovary tissue lysates Lane 4: Rat Thymus tissue
 lysates Lane 5: Rat Placenta tissue lysates
 Primary: Anti-Cathepsin L (bs-41348R) at 1/1000
 dilution Secondary: IRDye800CW Goat Anti-
 Rabbit IgG at 1/20000 dilution Predicted band
 size: 37 kDa Observed band size: 37 kDa



Paraformaldehyde-fixed, paraffin embedded (rat
 thymus); 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 (Cathepsin L) Polyclonal
 Antibody, Unconjugated (bs-41348R) at 1:100
 overnight at 4°C, followed by operating
 according to SP Kit(Rabbit) (sp-0023)
 instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat
 ovary); 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 (Cathepsin L) Polyclonal
 Antibody, Unconjugated (bs-41348R) at 1:100
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