

Anti-Cathepsin L Ctsl Antibody (Monoclonal, 35C61)

Catalog Number: M01589-2

About Ctsl

Cathepsin L is a lysosomal cysteine proteinase with a major role in intracellular protein catabolism. It also shows the most potent collagenolytic and elastinolytic activity in vitro of any of the cathepsins. Cathepsin L has been implicated in pathologic processes including myofibril necrosis in myopathies and in myocardial ischemia, and in the renal tubular response to proteinuria. Human liver cathepsin L consists of a heavy chain of about 25 kD and a light chain of about 5 kD. The gene is mapped to 9q21-q22. Cathepsin L is required for endothelial progenitor cell-induced neovascularization.

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Overview

Product Name	Anti-Cathepsin L Ctsl Antibody (Monoclonal, 35C61)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Cathepsin L Ctsl Antibody (Monoclonal, 35C61) catalog # M01589-2. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Monoclonal 35C61
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN ₃ . This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P07154

Technical Details

Immunogen	Procathepsin L isolated from the human lung cancer cell line EPLC 32M1.
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Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(F).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites
Suggested Dilutions	Immunohistochemistry (Frozen Section), 4ug/ml, Human, mouse, rat, - Western blot, 0.1-0.5ug/ml, Human, mouse, rat

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For Research Use Only. Not for use in diagnostic procedures.