# Cathepsin B Conjugated Antibody

Catalog No: #C48206

Package Size: #C48206-AF350 100ul #C48206-AF405 100ul #C48206-AF488 100ul #C48206-AF555 100ul #C48206-AF594 100ul #C48206-AF647 100ul #C48206-AF680 100ul #C48206-AF750 100ul #C48206-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

| | |
|---|---|
| Product Name | Cathepsin B Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu |
| Immunogen Description | Synthetic peptide (KLH-coupled) within human Cathepsin B C-terminal. |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | Amyloid precursor protein secretase antibody APP secretase antibody APPS antibody CATB_HUMAN antibody Cathepsin B heavy chain antibody Cathepsin B1 antibody CathepsinB antibody CPSB antibody CTSB antibody cysteine protease antibody OTTHUMP00000116009 antibody OTTHUMP00000229510 antibody OTTHUMP00000229511 antibody OTTHUMP00000229512 antibody OTTHUMP00000229514 antibody OTTHUMP00000229515 antibody OTTHUMP00000229516 antibody Preprocathepsin B antibody |
| Accession No. | Swiss-Prot#:P07858 |
| Calculated MW | 38 kDa |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

Cathepsin B is an enzymatic protein belonging to the peptidase (or protease) families. In humans, it is coded by the CTSB gene. A wide array of diseases results in elevated levels of cathepsin B, which causes numerous pathological processes including cell death, inflammation, and production of toxic peptides. Focusing on neurological diseases, cathepsin B gene knockout studies in an epileptic rodent model have shown cathepsin B causes a significant amount of the apoptotic cell death that occurs as a result of inducing epilepsy. Mutations in the CTSB gene have been linked to tropical pancreatitis, a form of chronic pancreatitis.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.