

## 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](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto: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
Uniprot	P07858
GeneID	1508;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
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