

Cathepsin B Recombinant antibody

Cat: B35026D

Company: HaoKebio

Uniprot ID: P07858

Applications: IHC:1:50-1:100

Organism: Rabbit

IHC-Polymer:1:200-1:400

Species reactivity: Human

IHC-TSA:1:250-1:500

Molecular Weight Calculation: 38 kDa

WB:1:1000-1:5000

Observed Molecular Weight: 38 kDa

Background:

This gene encodes a member of the C1 family of peptidases. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate multiple protein products. These products include the cathepsin B light and heavy chains, which can dimerize to form the double chain form of the enzyme. This enzyme is a lysosomal cysteine protease with both endopeptidase and exopeptidase activity that may play a role in protein turnover. It is also known as amyloid precursor protein secretase and is involved in the proteolytic processing of amyloid precursor protein (APP). Incomplete proteolytic processing of APP has been suggested to be a causative factor in Alzheimer's disease, the most common cause of dementia. Overexpression of the encoded protein has been associated with esophageal adenocarcinoma and other tumors. Multiple pseudogenes of this gene have been identified.

Protein full name:

Cathepsin B

Synonyms:

APPS; CPSB

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Cytoplasm, Secreted

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Dilution of 1:5000 incubated at room temperature for 1.5 hours.

Source of Reagents:

发表[中文论文]请标注:Cathepsin B(B35026D)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:Cathepsin B(B35026D) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

