

## **Cathepsin V Antibody**

Rabbit Polyclonal Antibody Catalog # ABV10545

### **Specification**

## **Cathepsin V Antibody - Product Information**

Application WB
Primary Accession 060911

Reactivity Human, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 37329

# **Cathepsin V Antibody - Additional Information**

**Gene ID 1515** 

Positive Control Western Blot: Jurkat cell lysate and mouse

small intestine lysate . IHC: Kidney tissue Western blot analysis (0.5-4  $\mu$ g/ml) and Immunohistochemistry (5  $\mu$ g/ml). However,

the optimal conditions should be

determined individually. Jurkat cell lysate and mouse small intestine tissue lysate

can be used as positive controls.

**Other Names** 

CATL2, CATL2, CTSL2, CTSU, CTSV, MGC125957

**Target/Specificity** 

Application & Usage

Cathepsin V

**Antibody Form** 

Liquid

**Appearance** 

Colorless liquid

# **Formulation**

 $100~\mu g$  (0.5 mg/ml) affinity purified rabbit polyclonal cathepsin V antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

# Handling

The antibody solution should be gently mixed before use.

**Reconstitution & Storage** 

-20 °C

**Background Descriptions** 



### **Precautions**

Cathepsin V Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

# **Cathepsin V Antibody - Protein Information**

**Name CTSV** 

Synonyms CATL2, CTSL2, CTSU

#### **Function**

Cysteine protease. May have an important role in corneal physiology.

### **Cellular Location**

Lysosome.

### **Tissue Location**

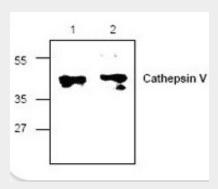
Predominantly expressed in the thymus and testis. Also expressed in corneal epithelium, and to a lesser extent in conjunctival epithelium and skin.

# **Cathepsin V Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

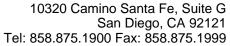
# Cathepsin V Antibody - Images



Western blots analysis of Cathepsin V expression in Jurkat (Lane 1) and mouse small intestine (Lane 2) lysate

# Cathepsin V Antibody - Background

Cathepsin V, also known as Cathepsin L2 and Cathepsin U, is a cysteine protease of the papain





family. It is expressed as a proenzyme in lysosomes, which can be autocatalytically converted to the mature form at pH 4.0. Cathepsin V is specifically expressed in the thymus, testis, and corneal epithelium.