

Product datasheet

Anti-Cathepsin K antibody ab49892

1 References 1 Image

Overview

Product name	Anti-Cathepsin K antibody
Description	Rabbit polyclonal to Cathepsin K
Host species	Rabbit
Specificity	ab49892 recognizes all three forms of Cathepsin K (but does not see the 288 amino acid form as well as the other two forms, due to a partial deletion of the sequence). We have a range of domain specific antibodies for this target. For a full list please see all Cathepsin K antibodies .
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide of Human Cathepsin K. Read Abcam's proprietary immunogen policy

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: PBS, 50% Glycerol, 2.9% Sodium chloride
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab49892** in the following tested applications.

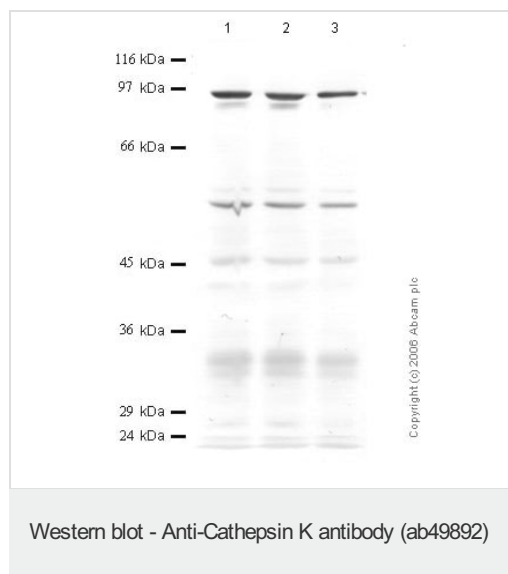
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/5000. Predicted molecular weight: 37 kDa.

Target

Function	Closely involved in osteoclastic bone resorption and may participate partially in the disorder of bone remodeling. Displays potent endoprotease activity against fibrinogen at acid pH. May play an important role in extracellular matrix degradation.
Tissue specificity	Predominantly expressed in osteoclasts (bones).
Involvement in disease	Defects in CTSK are the cause of pycnodysostosis (PKND) [MIM:265800]. PKND is an autosomal recessive osteochondrodysplasia characterized by osteosclerosis and short stature.
Sequence similarities	Belongs to the peptidase C1 family.
Cellular localization	Lysosome.

Images



All lanes : Anti-Cathepsin K antibody (ab49892) at 1/1000 dilution

All lanes : HOS cell lysate

Predicted band size: 37 kDa

Observed band size: 26,46 kDa

[why is the actual band size different from the predicted?](#)

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