

## Product datasheet

# Anti-Procathepsin K antibody [4b9] ab39246

### 概述

产品名称	Anti-Procathepsin K抗体[4b9]
描述	小鼠单克隆抗体[4b9] to Procathepsin K
宿主	Mouse
特异性	This antibody is specific for Procathepsin K.
经测试应用	适用于: WB, ELISA, IHC-P
种属反应性	与反应: Human
免疫原	N terminal His-tagged recombinant fusion protein (Human), produced in <i>E. coli</i> (36.7 kDa). It comprised 314 amino acid residues of the Human Procathepsin K and 12 additional amino acid residues (MRGSHHHHHHGS) - His Tag.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: None Constituents: 0.1M Sodium chloride, 0.05M PBS, pH 7.2
纯度	Protein G purified
纯化说明	Affinity chromatography on a column with immobilized protein G (sterile filtered).
克隆	单克隆
克隆编号	4b9
同种型	IgG2b

### 应用

Our [Abpromise guarantee](#) covers the use of **ab39246** in the following tested applications.

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

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Predicted molecular weight: 27 kDa.

应用	Ab评论	说明
ELISA		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.

## 靶标

<b>功能</b>	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.
<b>组织特异性</b>	Predominantly expressed in osteoclasts (bones).
<b>疾病相关</b>	Defects in CTSK are the cause of pycnodysostosis (PKND) [MIM:265800]. PKND is an autosomal recessive osteochondrodysplasia characterized by osteosclerosis and short stature.
<b>序列相似性</b>	Belongs to the peptidase C1 family.
<b>细胞定位</b>	Lysosome.

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