

A20453

Leader in Biomolecular Solutions for Life Science



# Proteinase K Rabbit pAb

Catalog No.: A20453

## Basic Information

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### Observed MW

60kDa

### Calculated MW

### Category

Polyclonal Antibody

### Applications

WB, ELISA

### Cross-Reactivity

Human

## Background

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Proteinase K is an endopeptidase belonging to the subtilisin group of serine proteases. Proteinase K was isolated from the mold (*Parengyodontium album* or previously known as *Tritirachium album*). Proteinase K has five cysteines. Four of the cysteine residues form two disulfide bonds (34-124 and 179-248, respectively) and one lies below one of the catalytic triads. Proteinase K often binds two calcium ions required for full enzymatic activity. In molecular biology laboratories, proteinase K is useful during preparation of DNA or RNA samples by degrading and inactivating proteins.

## Recommended Dilutions

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WB 1:500 - 1:1000

## Immunogen Information

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Gene ID

Swiss Prot

### Immunogen

Recombinant protein of human Proteinase K.

### Synonyms

## Contact

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[www.abclonal.com](http://www.abclonal.com)

## Product Information

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Source

Rabbit

Isotype

IgG

Purification

Affinity purification

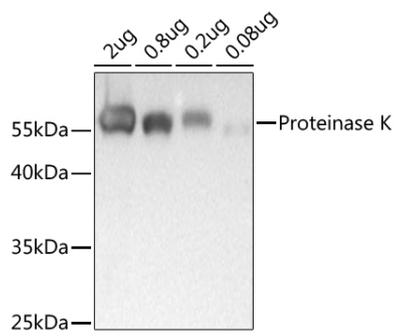
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

## Validation Data

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Western blot analysis of lysates from Proteinase K, using Proteinase K Rabbit pAb (A20453) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: .