

# [KD Validated] SERPINA3 Rabbit pAb

Catalog No.: A25758

## Basic Information

### Observed MW

50-70kDa

### Calculated MW

48kDa

### Category

Primary antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human

## Background

The protein encoded by this gene is a member of the serpin family of proteins, a group of proteins that inhibit serine proteases. This gene is one in a cluster of serpin genes located on the q arm of chromosome 14. Polymorphisms in this protein appear to be tissue specific and influence protease targeting. Variations in this protein's sequence have been implicated in Alzheimer's disease, and deficiency of this protein has been associated with liver disease. Mutations have been identified in patients with Parkinson disease and chronic obstructive pulmonary disease.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

12

### Swiss Prot

P01011

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 24-423 of human SERPINA3 (NP\_001076.2).

### Synonyms

ACT; AACT; GIG24; GIG25; Alpha-1 Antichymotrypsin (SERPINA3)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

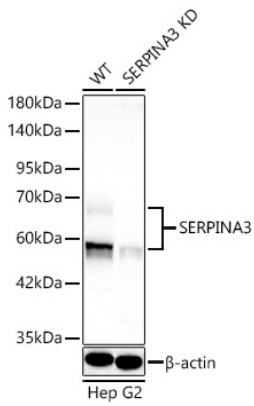
### Storage

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

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of lysates from wild type (WT) and SERPINA3 knockdown (KD) Hep G2 cells using [KD Validated] SERPINA3 Rabbit pAb (A25758) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020) Exposure time: 30 s.