

Alpha-1 Antichymotrypsin (SERPINA3) Rabbit pAb

Catalog No.: A1021

6 Publications

Basic Information

Observed MW

50-76kDa

Calculated MW

48kDa

Category

Primary antibody

Applications

WB,IHC-P,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 1:100 - 1:500**IHC-P** 1:50 - 1:200**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 Alpha-1 Antichymotrypsin (Alpha-1 Antichymotrypsin (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

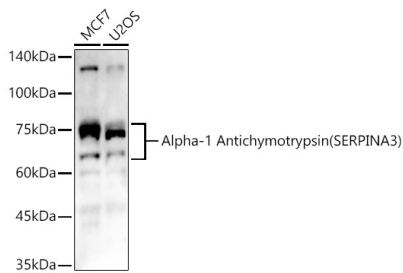
Affinity purification

Storage

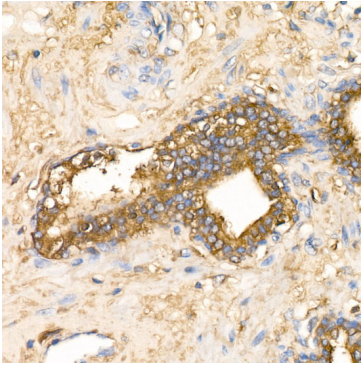
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates, using Alpha-1 Antichymotrypsin (SERPINA3) Rabbit pAb (A1021) at 1:400 dilution.
Secondary antibody: HRP-conjugated 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: 60s.



Immunohistochemistry analysis of paraffin-embedded Human prostate cancer tissue using Alpha-1 Antichymotrypsin (SERPINA3) Rabbit pAb (A1021) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.