Alpha-1 Antichymotrypsin (SERPINA3) Antibody

CAB1021

Description

This Alpha-1 Antichymotrypsin (SERPINA3) Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB1021
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	ACT, AACT, GIG24, GIG25, Alpha-1 Antichymotrypsin (SERPINA3)
Clone:	-
Applications:	WB IHC-P ELISA
Conjugation:	Unconjugated
Reactivity:	Human

Antibody Data

Gene ID:	12
Uniprot:	AB_2757732
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	50-76kDa
Calculated MW:	48kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

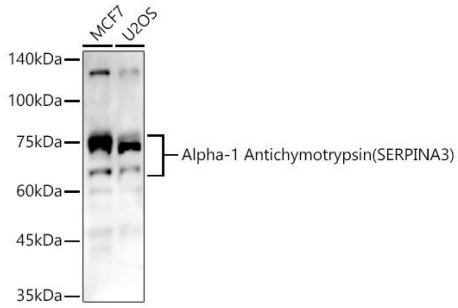
Positive Sample: MCF7, U2OS

Recommended Dilutions:

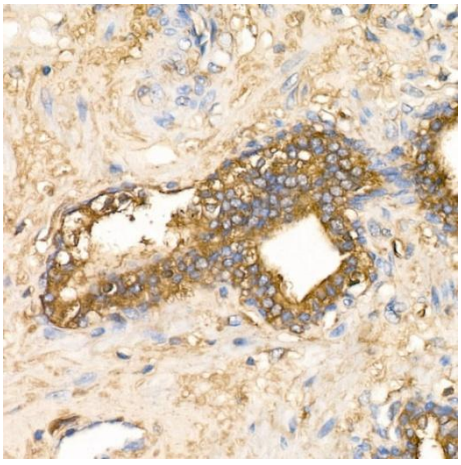
WB	1:100 - 1:500
IHC-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

Validation Data



Western blot analysis of various lysates, using Alpha-1 Antichymotrypsin (SERPINA3) Rabbit pAb (CAB1021) at 1:400 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Human prostate cancer tissue using Alpha-1 Antichymotrypsin (SERPINA3) Rabbit pAb (CAB1021) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.