



Datasheet for ABIN499201
anti-ACIN1 antibody (Intermediate Domain)



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2 Images

Overview

Quantity:	0.1 mg
Target:	ACIN1
Binding Specificity:	Intermediate Domain
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACIN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human Acinus (Intermediate Domain) Peptide
Isotype:	IgG
Specificity:	Acinus antibody was raised against a peptide corresponding to amino acids 775 to 789 of Human AcinusL, 48 to 62 of human AcinusS', or 17 to 31 of human AcinusS, which differ from those of mouse Acinus by one amino acid .
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	ACIN1
Alternative Name:	Acinus / ACIN1 (ACIN1 Products)

Target Details

Background: Chromatin condensation and nuclear fragmentation (CCNF) is the hallmark of apoptosis. CCNF is triggered by the activation of members of caspase family, caspase activated DNase (CAD/DFF40), and several novel proteins including AIF and CIDE . A new inducer of chromatin condensation was recently identified and designated Acinus (for apoptotic chromatin condensation inducer in the nucleus). Acinus is cleaved by caspase-3 and an additional unknown protease generating a small active peptide p17, which causes chromatin condensation in vitro when it is added to purified nuclei. Acinus also induces apoptotic chromatin condensation in cells. Acinus is ubiquitously expressed. Three different spliced forms of Acinus have been identified in human and mouse and designated AcinusL, AcinusS and AcinusS (2).Synonyms: Apoptotic chromatin condensation inducer in the nucleus, KIAA0670

Gene ID: 22985

UniProt: [Q9UKV3](#)

Application Details

Application Notes: ELISA. Western Blot: Acinus antibody can be used for detection of Acinus at 0.5 to 1 µg/mL. A 220 kDa band can be detected. Immunocytochemistry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % Sodium Azide as preservative

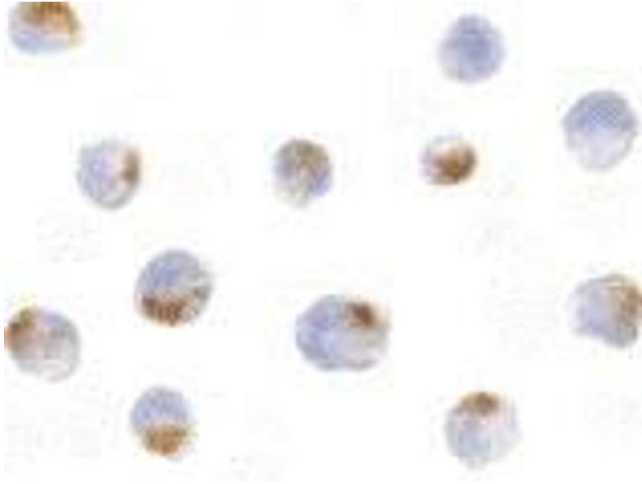
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

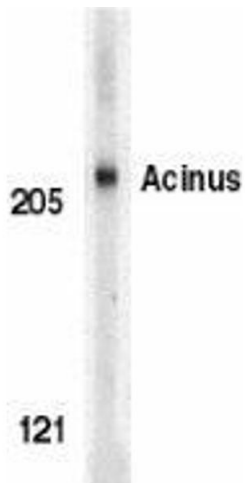
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Immunocytochemistry of Acinus in K562 cells with AP30012PU-N Acinus antibody at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of Acinus in K562 whole cell lysate with AP30012PU-N Acinus antibody (IN) at 1 µg/ml.