

Product datasheet for **TA306018**

Acinus (ACIN1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 10 ug/mL, IF: 10 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Acinus antibody was raised against a peptide corresponding to amino acids near the C-terminus of the cleaved active peptide p17, which are identical to those of mouse Acinus. The immunogen is located within amino acids 1050 - 1100 of Acinus.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	apoptotic chromatin condensation inducer 1
Database Link:	AAD56724 Entrez Gene 22985 Human Q9UKV3



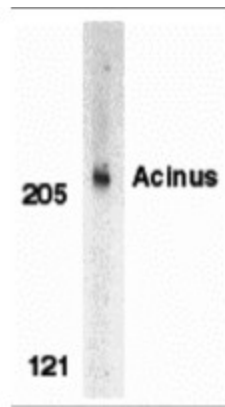
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Background:

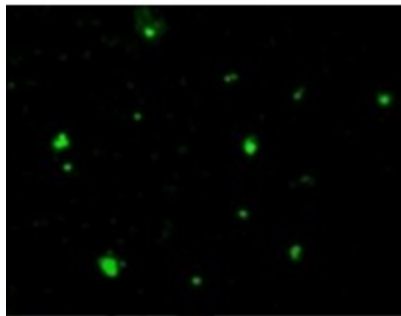
Chromatin condensation and nuclear fragmentation (CCNF) is the hallmark of apoptosis. CCNF is triggered by the activation of members of caspase family, caspase activated DNase (CAD/DFF40), and several novel proteins including AIF and CIDE . A new inducer of chromatin condensation was recently identified 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:

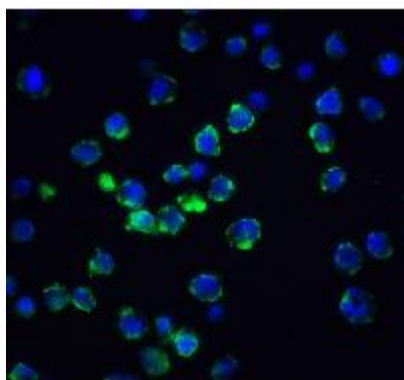
ACINUS; ACN; fSAP152

Product images:

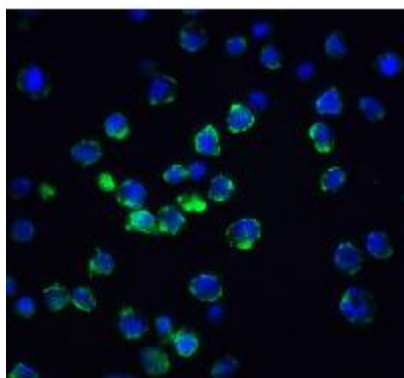
Western blot analysis of Acinus in K562 whole cell lysate with Acinus antibody (CP) at 1ug/ml.



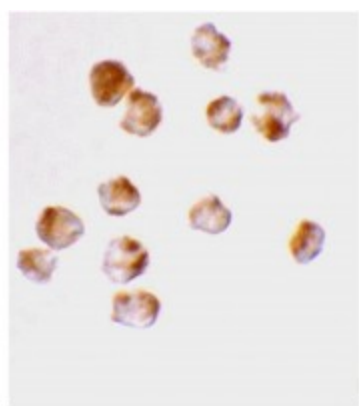
Immunofluorescence of Acinus in HeLa cells with Acinus antibody at 10ug/ml.



Immunofluorescence of Acinus in K562 cells with Acinus antibody at 20ug/ml.



Immunofluorescence of Acinus in K562 cells with Acinus antibody at 20ug/ml.



Immunocytochemistry staining of K562 cells using Acinus antibody at 10ug/ml.