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AP33512PU-N Polyclonal Antibody to 14-3-3 protein sigma / SFN (C-term) - Purified

Alternate names: Epithelial cell marker protein 1, HME1, Stratifin

Quantity: 0.4 ml

Concentration: Lot specific

Background: Members of the 14-3-3 family of proteins are highly conserved proteins, localized in neurons, and are axolly transported to the nerve termils. They are also present, at lower levels, in various other eukaryotic tissues. 14-3-3 proteins appear to play important roles in a variety of sigl transduction pathways, including those involved in cell cycle regulation and cell survival. Because 14-3-3 proteins bind to specific phosphoserine-containing sequences they are likely to have an important role in sigling pathways mediated by serine/threonine protein kises. Evidence indicates 14-3-3 is required for Raf 1 kise activity and phosphorylation among many other functions.

Uniprot ID: P31947

NCBI: NP_006133.1

GeneID: 2810

Host / Isotype: Rabbit / Ig

Immunogen: KLH conjugated synthetic peptide between 222-248 amino acids from the C-terminal region of Human SFN.
Genename: SFN

Format:
State: Liquid purified Ig fractioon
Purification: Protein A column, followed by peptide affinity purification
Buffer System: PBS
Preservatives: 0.09% (W/V) Sodium Azide

Applications:
Western blotting: 1/1000.
Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Flow Cytometry: 1/10-1/50.
Immunofluorescence: 1/10-1/50.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

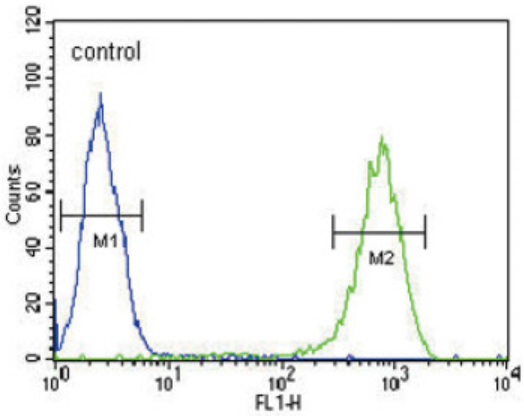
Molecular Weight: 27774 Da

Specificity: This antibody recognizes Human SFN (C-term).
Other species not tested.

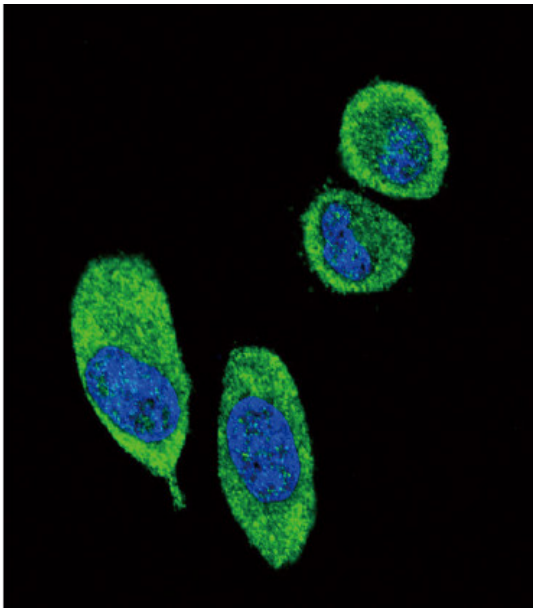
Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:

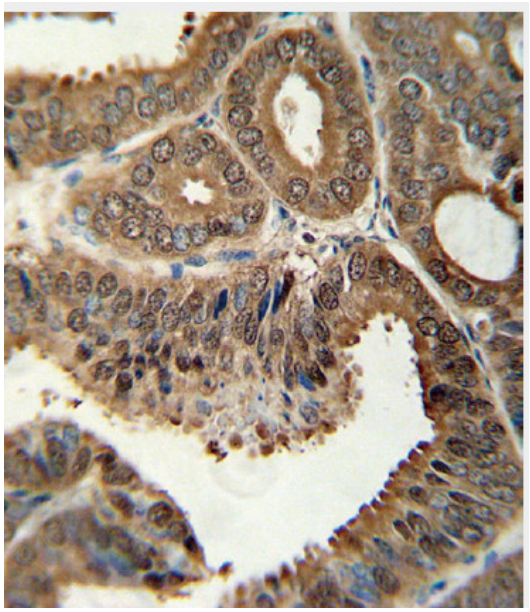
Flow cytometric analysis of Hela cells using SFN Antibody (C-term) Cat.-No AP33512PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Confocal immunofluorescent analysis of SFN Antibody (C-term) Cat.-No AP33512PU-N with A549 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).



Formalin fixed and paraffin embedded human prostate carcinoma stained with SFN antibody (C-term)
Cat.-No AP33512PU-N, followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SFN antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated



Western blot analysis of lysates from A431, Hela cell line (from left to right), using SFN Antibody (C-term)
Cat.-No AP33512PU-N at 1/1000 at each lane. A Goat anti-rabbit IgG H&L(HRP) at 1/5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.