

Datasheet for ABIN1539403
anti-DSPP antibody (AA 47-76)

3 Images

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Overview

Quantity:	400 µL
Target:	DSPP
Binding Specificity:	AA 47-76
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This DSPP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 47-76 amino acids of human DSPP.
Clone:	RB20942
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	DSPP
Alternative Name:	DSPP (DSPP Products)
Background:	This gene encodes two principal proteins of the dentin extracellular matrix of the tooth. The preproprotein is secreted by odontoblasts and cleaved into dentin sialoprotein and dentin phosphoprotein. Dentin phosphoprotein is thought to be involved in the biomineralization

Target Details

process of dentin. Mutations in this gene have been associated with dentinogenesis imperfecta-1, in some individuals, dentinogenesis imperfecta occurs in combination with an autosomal dominant form of deafness. Allelic differences due to repeat polymorphisms have been found for this gene. [provided by RefSeq].

Molecular Weight: 131151

Gene ID: 1834

NCBI Accession: [NP_055023](#)

UniProt: [Q9NZW4](#)

Application Details

Application Notes: WB: 1:2000. WB: 1:2000. FC: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

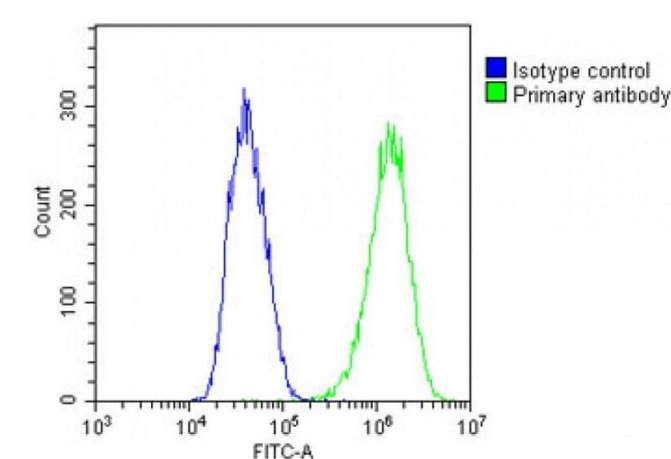
Preservative: Sodium azide

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

Storage: 4 °C,-20 °C

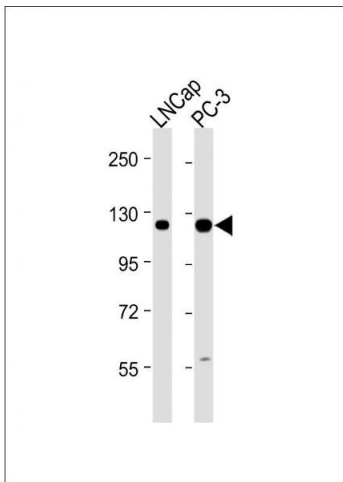
Storage Comment: DSPP Antibody (N-term) can be refrigerated at 2-8°C for up to 6 months. For long term storage, keep at -20°C.

Expiry Date: 6 months



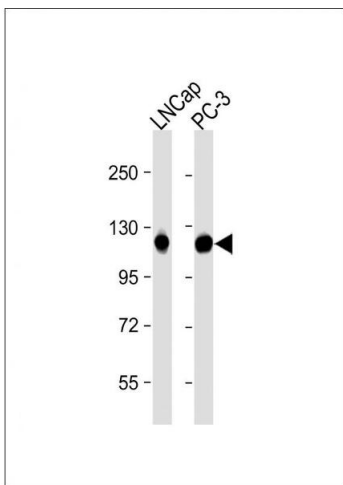
Flow Cytometry

Image 1. Overlay histogram showing PC-3 cells stained with (ABIN1539403 and ABIN2849618)(green line). The cells were fixed with 2 % paraformaldehyde and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at Room temperature. Isotype control antibody (blue line) was rabbit IgG1 (1 μ g/ 1×10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. All lanes : Anti-DS Antibody (N-term) at 1:2000 dilution Lane 1: LNCap whole cell lysate Lane 2: PC-3 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 131 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. All lanes : Anti-DS Antibody (N-term) at 1:2000 dilution Lane 1: LNCap whole cell lysate Lane 2: PC-3 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 131 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.