

For Research Use Only

DSPP Polyclonal antibody

Catalog Number: 55396-1-AP **2 Publications**



Basic Information

Catalog Number: 55396-1-AP	GenBank Accession Number: NM_014208	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 1834	Recommended Dilutions: WB 1:500-1:2000 IF 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9NZW4	
Isotype: IgG	Full Name: dentin sialophosphoprotein	
	Calculated MW: 131 kDa	
	Observed MW: 130-140 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : HEK-293 cells, LNCaP cells, MCF-7 cells IF : HeLa cells,
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	

Background Information

DSPP (dentin sialophosphoprotein) is a precursor protein belongs to the small integrin-binding ligand N-linked glycoprotein (SIBLING) family. DSPP is secreted by odontoblasts and then is cleaved into 3 fragments: N-terminal dentin sialoprotein (DSP), intermediate dentin glycoprotein (DGP) and C-terminal dentin phosphoprotein (DPP) (PMID:22201843). DSP is heavily glycosylated but DPP is not. DSP and DPP are principle proteins of the dentin extracellular matrix of the tooth, with DSP having a role in dentinogenesis and DPP binding calcium, facilitating initial mineralization of dentin matrix collagen and regulating the size and shape of the crystals. The molecular mass of full-length is around 130kDa(uniprot), the cleavage product of DSPP with a molecular mass of around 90 to 100 kDa (PMID: 21103065).

Notable Publications

Author	Pubmed ID	Journal	Application
Jiange Zhao	36565046	Int Endod J	WB
Zitian Liang	37746049	Int J Nanomedicine	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

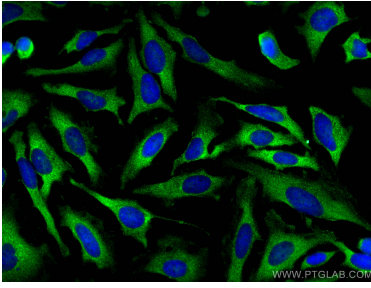
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

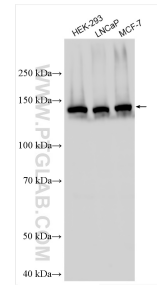
Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using DSPP antibody (55396-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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Various lysates were subjected to SDS PAGE followed by western blot with 55396-1-AP (DSPP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.