

ARG67093 anti-DSPP antibody

Package: 100 µl

Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DSPP
Predict Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DSPP
Species	Human
Immunogen	Recombinant protein of Human DSPP
Conjugation	Un-conjugated
Alternate Names	DSPP; Dentin Sialophosphoprotein; DMP3; DFNA39; DGI1; Deafness, Autosomal Dominant 39; Dentin Phosphoprotein; Dentin Phosphophoryn; Dentin Sialoprotein; Dentin Phosphoryn; DPP; DSP

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size 110 ~120 kDa

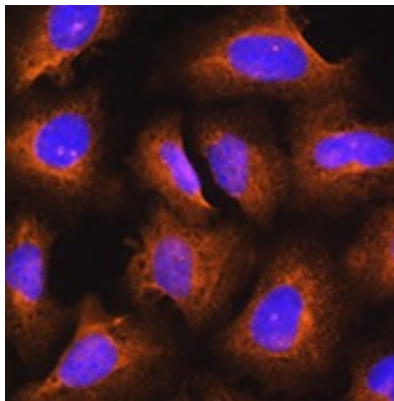
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

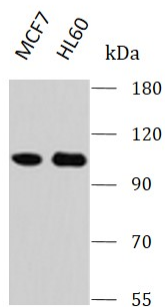
Gene Symbol	DSPP
Gene Full Name	Dentin Sialophosphoprotein
Background	This gene encodes a member of the small integrin-binding ligand N-linked glycoprotein (SIBLING) family of proteins. The encoded preproprotein is secreted by odontoblasts and proteolytically processed to generate two principal proteins of the dentin extracellular matrix of the tooth, dentin sialoprotein and dentin phosphoprotein. These two protein products may play distinct but related roles in dentin mineralization. Mutations in this gene are associated with dentinogenesis imperfecta and dentin dysplasia. This gene is present in a gene cluster on chromosome 4. Allelic differences due to repeat polymorphisms have been found for this gene.
Function	DSP may be an important factor in dentinogenesis. DPP may bind high amount of calcium and facilitate initial mineralization of dentin matrix collagen as well as regulate the size and shape of the crystals.
Calculated Mw	131 kDa
PTM	Glycoprotein, Phosphoprotein
Cellular Localization	Extracellular matrix, Secreted

Images



ARG67093 anti-DSPP antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG67093 anti-DSPP antibody.



ARG67093 anti-DSPP antibody WB image

Western blot: MCF7 and HL60 stained with ARG67093 anti-DSPP antibody.