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Datasheet for ABIN1698736

anti-FAM20C antibody (AA 351-450) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	FAM20C
Binding Specificity:	AA 351-450
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAM20C antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FAM20C
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Sheep, Horse, Chicken, Monkey
Purification:	Purified by Protein A.

Target Details

Target:	FAM20C
Alternative Name:	FAM20C (FAM20C Products)

Target Details

Background: Synonyms: C76981, Dentin matrix protein 4, DKFZp547C074, DMP-4, DMP4, DMP4_HUMAN, Extracellular serine/threonine protein kinase Fam20C, Fam20C, Family with sequence similarity 20 member C, GEF CK, Golgi enriched fraction casein kinase, Protein FAM20C, RNS antibod.

Background: The FAM20 proteins are a family of secreted proteins that regulate differentiation and function of hematopoietic and other tissues. FAM20C, also known as DMP4 (Dentin matrix protein 4), is a 570 amino acid secreted protein that binds calcium and may play a role in dentin mineralization. Defects in the gene encoding FAM20C are the cause of Raine syndrome (Lethal osteosclerotic bone dysplasia), an autosomal recessive osteosclerotic bone dysplasia, that is characterized by generalized osteosclerosis, microencephaly and craniofacial dysplasia. Usually, affected individuals survive only days or weeks. The mutations of the FAM20C gene include four nonsynonomous base changes and four splice-site changes that have a detrimental affect on splicing.

Gene ID: 56975

UniProt: [Q8IXL6](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months