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Datasheet for ABIN7114089  
**anti-FAM20C antibody**

### Overview

Quantity:	100 µg
Target:	FAM20C
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAM20C antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

### Product Details

Immunogen:	family with sequence similarity 20, member C
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	FAM20C
Alternative Name:	FAM20C ( <a href="#">FAM20C Products</a> )
Background:	Synonyms:Dentin matrix protein 4, DMP 4, DMP4, FAM20C, Protein FAM20C, RNS Background:Golgi serine/threonine protein kinase that phosphorylates secretory pathway proteins within Ser-x-Glu/pSer motifs and plays a key role in biomineralization of bones and teeth(PubMed:22582013, PubMed:23754375, PubMed:25789606). Constitutes the main protein

## Target Details

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kinase for extracellular proteins, generating the majority of the extracellular phosphoproteome(PubMed:26091039). Mainly phosphorylates proteins within the Ser-x-Glu/pSer motif, but also displays a broader substrate specificity(PubMed:26091039). Phosphorylates casein as well as a number of proteins involved in biomineralization such as AMELX, AMTN, ENAM and SPP1(PubMed:22582013, PubMed:25789606). In addition to its role in biomineralization, also plays a role in lipid homeostasis, wound healing and cell migration and adhesion(PubMed:26091039).

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Molecular Weight: 50 kDa

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Gene ID: 56975

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UniProt: [Q8IXL6](#)

## Application Details

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Application Notes: WB: 1:500-1:2000, IHC: 1:20-1:200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

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Preservative: Sodium azide

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

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Storage: -20 °C

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Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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Expiry Date: 12 months