

For Research Use Only

Fibulin-7 Polyclonal antibody

Catalog Number: 21136-1-AP



Basic Information

Catalog Number: 21136-1-AP	GenBank Accession Number: BC035784	Purification Method: Antigen Affinity purified
Size: 150ul , Concentration: 450 µg/ml by Nanodrop and 373 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 129804	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: fibulin 7	
Isotype: IgG	Calculated MW: 439 aa, 47 kDa	
Immunogen Catalog Number: AG15564	Observed MW: 47 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : pig cartilage tissue,
Species Specificity: human, pig	

Background Information

Fibulins are a family of extracellular matrix glycoproteins associated with basement membranes, elastic fibers, and other matrices (PMID: 19189051). The family members are defined by the presence of two structural modules, a tandem repeat of epidermal growth factor-like modules, and a unique C-terminal fibulin-type module (PMID: 19189051). They play an important role in regulating multiple cellular functions such as adhesion, growth, motility, and survival (PMID: 32429873). Fibulin-7, also named as TM14, was first identified in the mouse tooth germ cDNA microarray by differential hybridization (PMID: 17699513). Fibulin-7 is expressed in developing odontoblasts, in the giant trophoblast layer of the placenta, in the choroid of the eyes as well as in the cartilage (PMID: 32429873). It plays important roles in both the differentiation and maintenance of odontoblasts as well as in dentin formation.

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

*** 20ul sizes contain 0.1% BSA

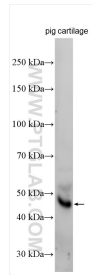
For technical support and original validation data for this product please contact:

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Selected Validation Data



pig cartilage tissue was subjected to SDS PAGE followed by western blot with 21136-1-AP (Fibulin-7 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.