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IFITM5 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11058c

Product Information

Application	WB, FC, IHC-P-Leica, E
Primary Accession	A6NNB3
Other Accession	NP_001020466.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28800
Calculated MW	14378
Antigen Region	55-83

Additional Information

Gene ID	387733
Other Names	Interferon-induced transmembrane protein 5, Bone-restricted interferon-induced transmembrane protein-like protein, BRIL, Dispanin subfamily A member 1, DSPA1, IFITM5
Target/Specificity	This IFITM5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 55-83 amino acids of human IFITM5.
Dilution	WB~~1:2000 FC~~1:25 IHC-P-Leica~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	IFITM5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	IFITM5
Function	Required for normal bone mineralization.

Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Detected in osteoblasts and fibroblasts (at protein level) (PubMed:24519609). Detected in bone (PubMed:24058703)

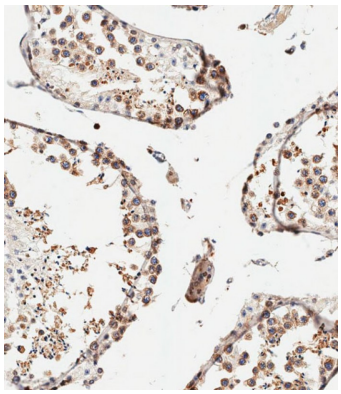
Background

Plays a role in bone mineralization (By similarity).

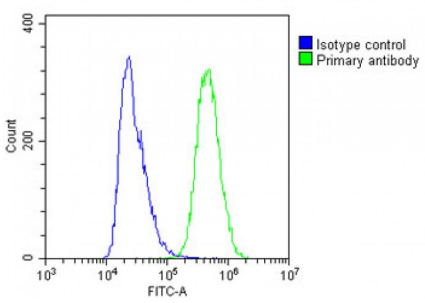
References

Moffatt, P., et al. J. Bone Miner. Res. 23(9):1497-1508(2008) Lange, U.C., et al. BMC Dev. Biol. 3, 1 (2003) : Baird, J.W., et al. J. Biol. Chem. 276(12):9189-9198(2001)

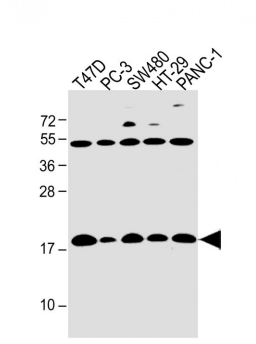
Images



Immunohistochemical analysis of paraffin-embedded human testis tissue using AP11058C performed on the Leica® BOND RXm. Samples were incubated with primary antibody(1/500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Overlay histogram showing A431 cells stained with AP11058C(green line). The cells were fixed with 2% paraformaldehyde and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at Room temperature. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



All lanes : Anti-IFITM5 Antibody (Center) at 1:4000 dilution Lane 1: T47D whole cell lysate Lane 2: PC-3 whole cell lysate Lane 3: SW480 whole cell lysate Lane 4: HT-29 whole cell lysate Lane 5: PANC-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.