

**IFITM5 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11058c****Specification**

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**IFITM5 Antibody (Center) - Product Information**

Application	WB, IHC-P-Leica, FC,E
Primary Accession	<a href="#">A6NNB3</a>
Other Accession	<a href="#">NP_001020466.1</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	55-83

**IFITM5 Antibody (Center) - 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  
IHC-P-Leica~~1:500  
FC~~1:25

**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.

**IFITM5 Antibody (Center) - Protein Information****Name** IFITM5

**Function** Required for normal bone mineralization.

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

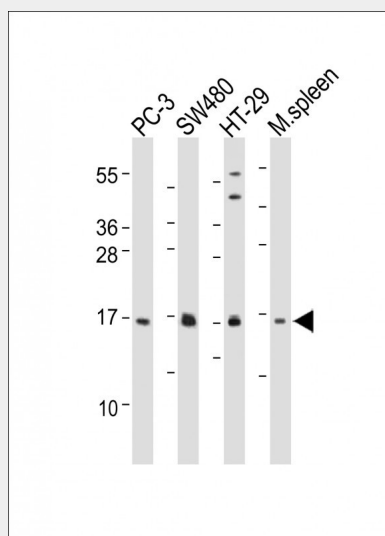
Detected in osteoblasts and fibroblasts (at protein level) (PubMed:24519609). Detected in bone (PubMed:24058703)

**IFITM5 Antibody (Center) - Protocols**

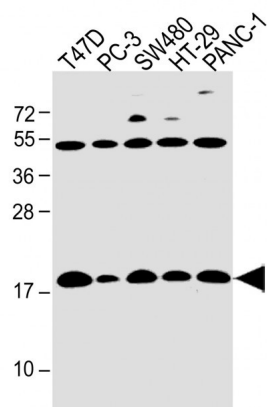
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

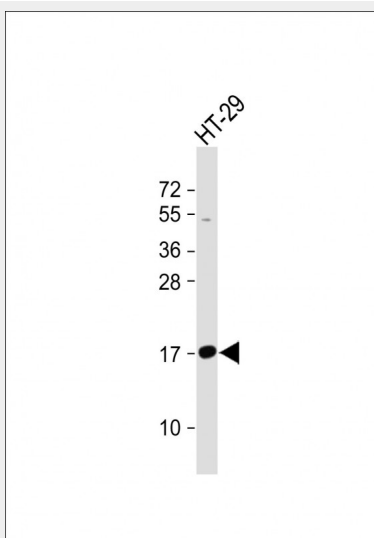
**IFITM5 Antibody (Center) - Images**



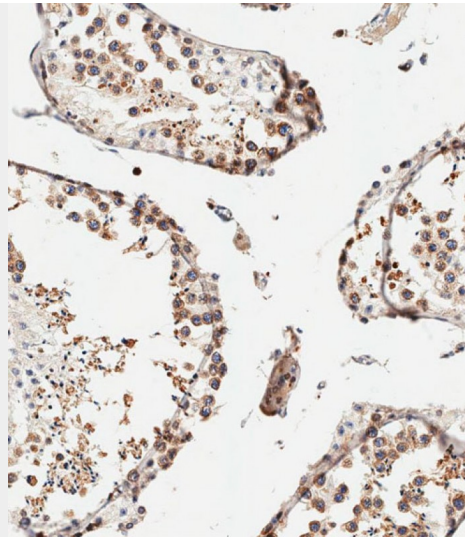
All lanes : Anti-IFITM5 Antibody (Center) at 1:2000 dilution Lane 1: PC-3 whole cell lysate Lane 2: SW480 whole cell lysate Lane 3: HT-29 whole cell lysate Lane 4: Mouse spleen lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5% NFDN/TBST.



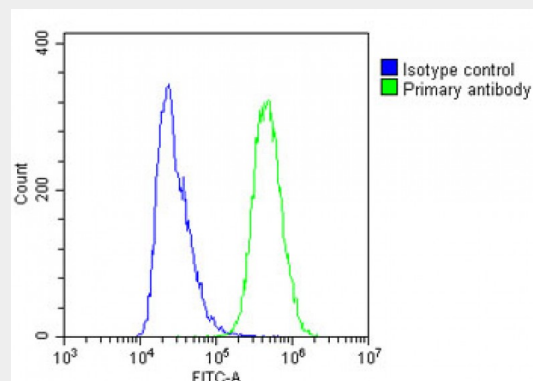
All lanes : Anti-IFITM5 Antibody (Center) at 1:4000 dilution Lane 1: T47D whole cell lysate Lane 2: PC-3 whole cell lysate Lane 3: SW480 whole cell lysate Lane 4: HT-29 whole cell lysate Lane 5: PANC-1 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L),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



Anti-IFITM5 Antibody (Center) at 1:2000 dilution + HT-29 whole cell lysate Lysates/proteins at 20  $\mu$ g 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.



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<sup>6</sup> cells) used under the same conditions. Acquisition of >10, 000 events was performed.

#### **IFITM5 Antibody (Center) - Background**

Plays a role in bone mineralization (By similarity).

#### **IFITM5 Antibody (Center) - 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)