

Rabbit anti-Human, mouse IFITM5 Polyclonal Antibody | anti-IFITM5 antibody

IFITM5 Antibody (Center)

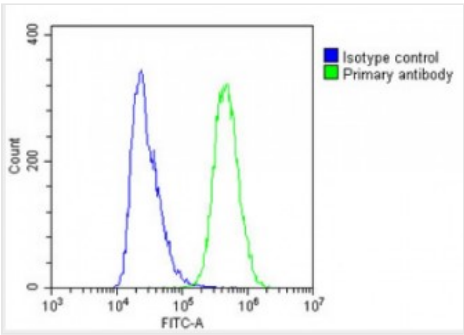
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285911	Rabbit	Human, mouse	ELISA, Immunohistochemistry, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

IFITM5; Polyclonal Antibody; IFITM5 Antibody (Center); Interferon-induced transmembrane protein 5; Bone-restricted interferon-induced transmembrane protein-like protein; BRIL; Dispanin subfamily A member 1; DSPA1; anti-IFITM5 antibody

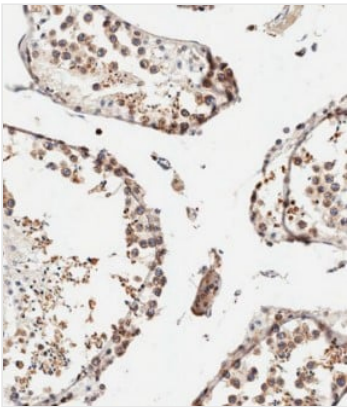
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This IFITM5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 55-83 amino acids from the Central region of human IFITM5.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	55-83
Sequence Length	132
Applicable Applications for anti-IFITM5 antibody	ELISA, IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot)
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).
Preparation and Storage	For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



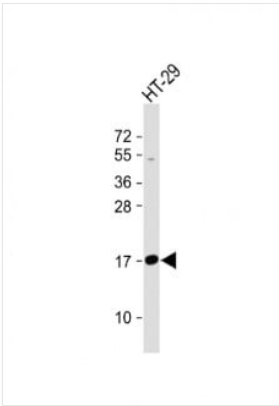
Application Data

Overlay histogram showing A431 cells stained with AAA285911(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/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed



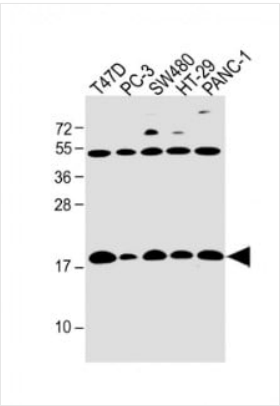
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human testis tissue using AAA285911 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.



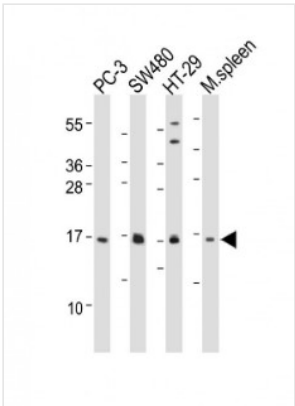
Application Data

Anti-IFITM5 Antibody (Center) at 1:2000 dilution + HT-29 whole cell 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.



Application Data

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



Application Data

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% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-IFITM5 antibody	Plays a role in bone mineralization (By similarity).
Product Categories/Family for anti-IFITM5 antibody	Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	70608168
NCBI GeneID	387733
NCBI Accession #	NP_001020466.1
NCBI GenBank Nucleotide #	NM_001025295.2
UniProt Accession #	A6NNB3
NCBI Official Full Name	interferon-induced transmembrane protein 5
NCBI Official Synonym Full Names	interferon induced transmembrane protein 5
NCBI Official Symbol	IFITM5
NCBI Official Synonym Symbols	OI5; BRIL; DSPA1; Hrmp1; fragilis4
NCBI Protein Information	interferon-induced transmembrane protein 5
UniProt Protein Name	Interferon-induced transmembrane protein 5
UniProt Gene Name	IFITM5
UniProt Synonym Gene Names	BRIL; DSPA1
UniProt Entry Name	IFM5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ifitm5-antibody-immunohistochemistry-flow-cytometry-western-blot-elisa/285911>