

IFIT1B Rabbit pAb

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Catalog # AP56037

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q5T764
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54993
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human IFIT1B
Epitope Specificity	351-474/474
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	IFIT1L is a 474 amino acid protein that belongs to the IFIT family and contains eight TPR repeats. The gene encoding IFIT1L maps to human chromosome 10q23.31. Spanning nearly 135 million base pairs, chromosome 10 makes up approximately 4.5% of total DNA in cells and encodes nearly 1,200 genes. Several protein-coding genes, including those that encode for chemokines, cadherins, excision repair proteins, early growth response factors (Egrs) and fibroblast growth receptors (FGFRs), are located on chromosome 10. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

Additional Information

Gene ID	439996
Other Names	Protein IFIT1 homolog B, Interferon-induced protein with tetratricopeptide repeats 1-like protein {ECO:0000312 HGNC:HGNC:23442}, Interferon-induced protein with tetratricopeptide repeats 1B {ECO:0000312 HGNC:HGNC:23442}, IFIT1B (HGNC:23442)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

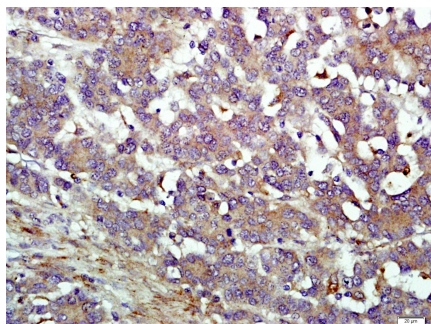
Protein Information

Name	IFIT1B (HGNC:23442)
Function	IFIT1B is likely non-functional, lacking the critical antiviral role of IFIT1. Unlike IFIT1, which is essential in the innate immune response as part of an interferon-dependent multiprotein complex, IFIT1B does not prevent the translation of viral RNAs that lack host-specific 2'-O-methylation at their 5' cap. Consequently, it probably cannot inhibit their translation by competing with the host translation machinery.

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Human gastric cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IFIT1B) Polyclonal Antibody, Unconjugated (AP56037) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

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