

Rabbit anti-Human IFIT5 Polyclonal Antibody | anti-IFIT5 antibody

IFIT5 Antibody

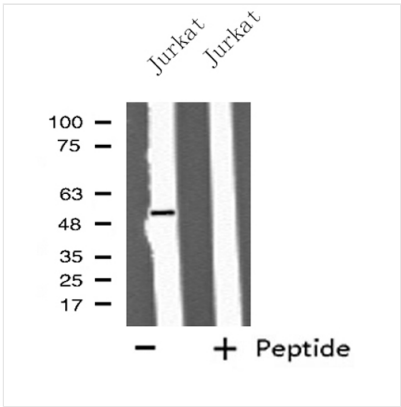
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325347	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

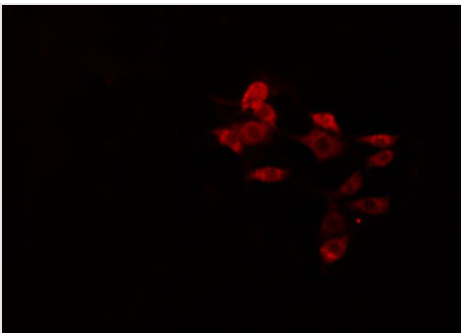
IFIT5; Polyclonal Antibody; IFIT5 Antibody; FLJ53857; FLJ92678; IFIT-5; IFIT5_HUMAN; Interferon induced protein with tetratricopeptide repeats 5; Interferon-induced protein with tetratricopeptide repeats 5; Retinoic acid and interferon inducible 58 kDa protein; Retinoic acid and interferon inducible protein (58kD); Retinoic acid-and interferon-inducible 58 kDa protein; RI58; anti-IFIT5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	IFIT5 antibody detects endogenous levels of total IFIT5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	482
Applicable Applications for anti-IFIT5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Plasma Membrane
Tissue Specificity	By interferons (IFNs).
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Bovine (92%), Horse (83%), Sheep (92%), Rabbit (83%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from Jurkat cells, using IFIT5 antibody.



IF (Immunofluorescence)
AAA325347 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-IFIT5 antibody	Function: Interferon-induced RNA-binding protein involved in the human innate immune response. Has a broad and adaptable RNA structure recognition important for RNA recognition specificity in antiviral defense. Binds precursor and processed tRNAs as well as poly-U-tailed tRNA fragments (PubMed:25092312, PubMed:23317505, PubMed:23774268). Specifically binds single-stranded RNA bearing a 5'-triphosphate group (PPP-RNA), thereby acting as a sensor of viral single-stranded RNAs. Single-stranded PPP-RNAs, which lack 2'-O-methylation of the 5' cap and bear a 5'-triphosphate group instead, are specific from viruses, providing a molecular signature to distinguish between self and non-self mRNAs by the host during viral infection. Directly binds PPP-RNA in a non-sequence-specific manner (PubMed:23334420). Also recognizes and selectively binds AT-rich dsDNA (PubMed:23774268). Additionally, as a mediator in innate immunity, regulates positively IKK-NFKB signaling by synergizing the recruitment of IKK to MAP3K7 (PubMed:26334375). Subunit Structure: Monomer (PubMed:23317505, PubMed:23334420, PubMed:23774268). Interacts with MAP3K7 and the components of the IKK core complex CHUK, IKBKB and IKBKG; the interaction synergizes the recruitment of IKK to MAP3K7 and enhances IKK phosphorylation (PubMed:26334375). Similarity: RNA recognition is mediated by a convoluted intramolecular fold of the TPR repeats (TPR eddy), which scaffolds unique additional helices that form an RNA binding cleft (PubMed:23317505 and PubMed:23334420). Undergoes a conformational change upon RNA-binding: unliganded exists in a more open conformation, facilitating RNA entry (PubMed:23334420). Belongs to the IFIT family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6912630
NCBI GeneID	24138
NCBI Accession #	NP_036552.1
NCBI GenBank Nucleotide #	NM_012420.2
UniProt Accession #	Q13325; Q5T7I9; Q6IAX3; B2R5X9; B4DDV1
Molecular Weight	Observed: 50 kD Predicted: 56 kDa
NCBI Official Full Name	interferon-induced protein with tetratricopeptide repeats 5
NCBI Official Synonym Full Names	interferon induced protein with tetratricopeptide repeats 5
NCBI Official Symbol	IFIT5
NCBI Official Synonym Symbols	P58; RI58; ISG58
NCBI Protein Information	interferon-induced protein with tetratricopeptide repeats 5

UniProt Protein Name	Interferon-induced protein with tetratricopeptide repeats 5
UniProt Gene Name	IFIT5
UniProt Synonym Gene Names	ISG58; RI58; IFIT-5; P58

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://stage.aaabiotech.com/polyclonal/ifit5-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325347>