IFI27 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IFI27, Polyclonal Antibody
Full Product Name	IFI27 (Interferon alpha-inducible Protein 27, Mitochondrial, p27, Interferon alpha-induced 11.5kD Protein, Interferon-stimulated Gene 12a Protein, ISG1
Product Gene Name	anti-IFI27 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human IFI27.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of produc original vial prior to removing the cap.
OMIM	600009
3D Structure	ModBase 3D Structure for UPI000019A7CD
Immunogen	Full length human IFI27, aa1-119 (NP_005523.3).
Immunogen Sequence	MEASALTSSAVTSVAKVVRVASGSAVVLPLARIATVVIGGVVAVPMVLSAMGFTAAGIASSSIAAKMMSAAAIANGGGVASGSLVATLQSLGATGLSGLTKI
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-IFI27 antibody	Antibodies; Interferon
Applications Tested/Suitable for anti-IFI27 antibody	Western Blot (WB)
Application Notes for anti-IFI27 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-IFI27 antibody	Treatment of breast carcinoma MCF7 cells with estradiol led to induction of a new 27kD protein, the cDNA was later cloned and identified as p27. This protein of 122aa has 33% overall sequence similarity to the product of the 6-16 gene, that is induced by alfa/beta type interferons. It has been shown th transcriptionally induced by interferon-alpha in various human cell lines. The induction induced by interferon alpha is independent of the presence of es cells. High levels of p27 mRNA, detected by Northern blotting, was found in 50% of the primary breast carcinoma cells, suggesting p27 can be a test m carcinoma detection. Examination of p27 expression by in situ hybridization in p27 over-expressing tumors suggest that p27 gene is localized in cancer also in fibroblastic cells of tumor stroma. IFI27 mRNA expression is highly up-regulated in lesional psoriatic epidermis and in non-lesional keratinocytes in lichen planus, chronic eczema, cutaneous squamous cell cancers, and during normal wound repair IFI27 was found in the proliferating subpopulation Further studies are now necessary to elucidate the cause of p27 gene overexpression in breast carcinoma and in particular to determine whether it cor chromosomal rearrangements in the 14q32 region and/or to induction by interferons of the alpha/beta type.
Other Notes	Small volumes of anti-IFI27 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee
Searchable Terms for IFI27 purchase	MBS6382084 is an antibody targeting IFI27. Also known as IFI27 (Interferon alpha-inducible Protein 27, Mitochondrial, p27, Interferon alpha-induced 1 Interferon-stimulated Gene 12a Protein, ISG12(a)) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFI27. It may not necessarily be applicable to this product.

NCBI GI #	55925614
NCBI GeneID	3429
NCBI Accession #	NP_005523.3
UniProt Primary Accession #	UPI000019A7CD
UniProt Secondary Accession #	Q53YA6; Q6IEC1; Q96BK3
UniProt Related Accession #	P40305
GenBank Nucleotide #	NM_005532.3
NCBI Official Full Name	interferon alpha-inducible protein 27, mitochondrial isoform 2
NCBI Official Synonym Full Names	interferon alpha inducible protein 27
NCBI Official Symbol	IFI27
NCBI Official Synonym Symbols	P27; ISG12; FAM14D; ISG12A
UniProt Protein Name	Interferon alpha-inducible protein 27, mitochondrial
UniProt Synonym Protein Names	Interferon alpha-induced 11.5 kDa protein; Interferon-stimulated gene 12a protein; ISG12(a)
Protein Family	Interferon alpha-inducible protein
UniProt Gene Name	IFI27
UniProt Synonym Gene Names	p27; ISG12(a)
UniProt Entry Name	IFI27_HUMAN
NCBI Protein Information	interferon alpha-inducible protein 27, mitochondrial

UniProt Comments for IFI27	IFI27: Promotes cell death. Mediates IFN-induced apoptosis characterized by a rapid and robust release of cytochrome C from the mitochondria and activation of BAX and caspases 2, 3, 6, 8 and 9. Belongs to the IFI6/IFI27 family. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 14q32 Cellular Component: integral to membrane; mitochondrial outer membrane; mitochondrion; nuclear inner membrane Molecular Function: lamin binding Biological Process: caspase activation; negative regulation of transcription from RNA polymerase II promoter; regulation of protein export from nucleus
Research Articles on IFI27	**1.** IFI27 is involved in proliferation of skin keratinocytes both in vitro and in vivo.
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