IFIH1 blocking peptide (CDBP5739)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein that is upregulated in response to treatment with beta-interferon and a protein kinase C-activating compound, mezerein. Irreversible reprogramming of melanomas can be achieved by treatment with both these agents; treatment with either agent alone only achieves reversible differentiation. Genetic variation in this gene is associated with diabetes mellitus insulin-dependent type 19. [provided by RefSeq, Jul 2012]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	IFIH1 interferon induced with helicase C domain 1 [Homo sapiens (human)]
Official Symbol	IFIH1

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Synonyms	IFIH1; interferon induced with helicase C domain 1; AGS7; Hlcd; MDA5; MDA-5; RLR-2; IDDM19; interferon-induced helicase C domain-containing protein 1; helicard; CADM-140 autoantigen; RIG-I-like receptor 2; helicase with 2 CARD domains; RNA helicase-DEAD box protein 116; murabutide down-regulated protein; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide; melanoma differentiation associated protein-5; melanoma differentiation-associated protein 5; clinically amyopathic dermatomyositis autoantigen 140 kDa
Entrez Gene ID	64135
mRNA Refseq	NM_022168
Protein Refseq	NP_071451
UniProt ID	Q9BYX4
Pathway	Hepatitis B; Herpes simplex infection; Immune System; Influenza A; Innate Immune System; Measles; NF-kB activation through FADD/RIP-1 pathway mediated by caspase-8 and -10; Negative regulators of RIG-I/MDA5 signaling
Function	ATP binding; DNA binding; double-stranded RNA binding; double-stranded RNA binding; helicase activity; protein binding; ribonucleoprotein complex binding; single-stranded RNA binding; zinc ion binding

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