

Product datasheet for **AP08493PU-N**

MDA5 (IFIH1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 4 µg/ml.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to 16 amino acids from near the carboxy terminus of human MDA5.
Specificity:	This antibody recognizes Melanoma Differentiation Associated Protein-5 (MDA5/IFIH1).
Formulation:	PBS containing 0.02% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	interferon induced with helicase C domain 1
Database Link:	Entrez Gene 64135 Human Q9BYX4



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Background:

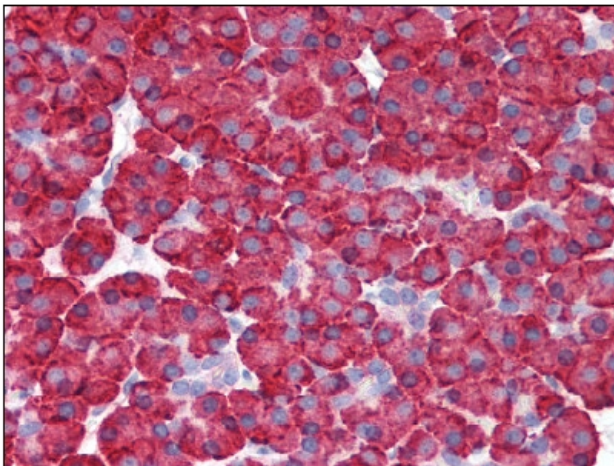
DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome 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 (IFNB) and a protein kinase C-activating compound, mezerein (MEZ). Irreversible reprogramming of melanomas can be achieved by treatment with both these agents; treatment with either agent alone only achieves reversible differentiation. It is believed that MDA-5 may function to promote message degradation by specific RNases. It also seems to possess growth inhibition properties. The interaction of MDA5 with double stranded RNA can lead to induction of IFN required for the the innate immune response against viruses.

Synonyms:

IFIH1, MDA5, RH116

Note:

Predicted molecular weight: 117 kDa.

Product images:

Pancreas: Formalin-Fixed Paraffin-Embedded (FFPE)