

Product datasheet for **AP11676PU-N**

DDX58 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA 1:1,000. Western blot 1:100 - 1:500.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human RIG-I.
Specificity:	This antibody detects RIG-I at C-term.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	DEXD/H-box helicase 58
Database Link:	Entrez Gene 23586 Human O95786



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Background:

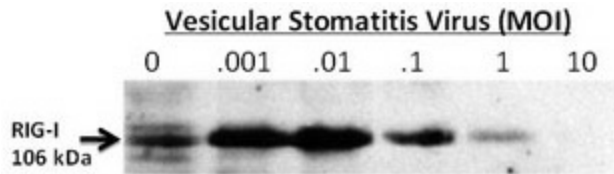
DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases which are implicated in a number of cellular processes involving RNA binding and alteration of RNA secondary structure. RIG-I contains RNA helicase-DEAD box protein motifs and a caspase recruitment domain (CARD). It is involved in viral double-stranded (ds) RNA recognition and the innate immune defense against viruses. Upon interaction with intracellular dsRNA produced during viral replication, RIG-I triggers a transduction cascade involving MAVS/IPS1, which results in the activation of NF-kappa-B, IRF3 and IRF7 and the induction of the expression of antiviral cytokines such as IFN-beta and RANTES (CCL5). This protein is essential for the production of interferons in response to RNA viruses including paramyxoviruses, influenza viruses, Japanese encephalitis virus and HCV.

Synonyms:

RIG-1, RIG-I, DKFZp434J1111, DKFZp686N19181, FLJ13599, DEAD box protein 58

Note:

Molecular weight: 106600 Da

Product images:

24-hour post infection immunoblots of whole cell lysates from primary murine microglia cells (2×10^6) untreated (0) or exposed to vesicular stomatitis virus at a range of viral particle/cell ratios. Data courtesy of Dr. Samantha Furr, University of North Carolina at Charlotte.