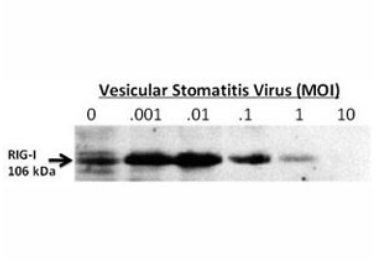
RIG-I Antibody / DDX58 (F46991)

Catalog No.	Formulation	Size
F46991-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F46991-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	O95786
Applications	Western Blot : 1:1000
Limitations	This RIG-I antibody is available for research use only.



Western blot testing of RIG-I antibody 24-hour post infection of primary murine microglia cells (2x10e6) untreated (0) or exposed to vesicular stomatitis virus at a range of viral particle/cell ratios. Expected molecular weight: 106-115 kDa.

Description

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.

Application Notes

Titration of the RIG-I antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 894-925 from the human protein was used as the immunogen for this RIG-I antibody.

Storage

Aliquot the RIG-I antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Copyright © NSJ Bioreagents. All rights reserved.