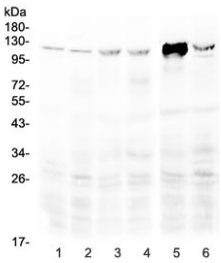
RIG-I Antibody / DDX58 (R32826)

Catalog No.	Formulation	Size
R32826	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	O95786
Applications	Western Blot : 0.5-1ug/ml
Limitations	This RIG-I antibody is available for research use only.



Western blot testing of 1) rat spleen, 2) rat thymus, 3) mouse spleen, 4) mouse thymus, 5) mouse NIH3T3 and 6) human Jurkat lysate with RIG-I antibody at 0.5ug/ml. Expected molecular weight: 106-115 kDa.

Description

RIG-I (retinoic acid-inducible gene I) is a RIG-I-like receptor dsRNA helicase enzyme that is encoded (in humans) by the DDX58 gene. RIG-I is part of the RIG-I-like receptor family, which also includes MDA5 and LGP2, and functions as a pattern recognition receptor that is a sensor for viruses such as influenza A, Sendai virus, and flavivirus. 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. This gene encodes a protein containing RNA helicase-DEAD box protein motifs and a caspase recruitment domain (CARD). It is involved in viral double-stranded (ds) RNA recognition and the regulation of immune response.

Application Notes

Optimal dilution of the RIG-I antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids H871-K925 was used as the immunogen for the RIG-I antibody.

Storage

After reconstitution, the RIG-I antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.