

ARG54925 anti-DDX58 / RIGI antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DDX58 / RIGI
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DDX58 / RIGI
Species	Human
Immunogen	GST-tagged Human RIG-1 protein.
Conjugation	Un-conjugated
Alternate Names	RIGI; RIG-I-like receptor 1; RIG-I; SGMRT2; Probable ATP-dependent RNA helicase DDX58; Retinoic acid-inducible gene 1 protein; DEAD box protein 58; EC 3.6.4.13; Retinoic acid-inducible gene I protein; RIG-1; RLR-1

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	ICC/IF	5 - 20 µg/ml
	IHC-P	Assay-dependent
	WB	0.5 - 2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	C2C12 Cell Lysate	

Properties

Form	Liquid
Purification	Protein A purified.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 230073 Mouse](#)

[GeneID: 23586 Human](#)

[Swiss-port # O95786 Human](#)

[Swiss-port # Q6Q899 Mouse](#)

Gene Symbol

DDX58

Gene Full Name

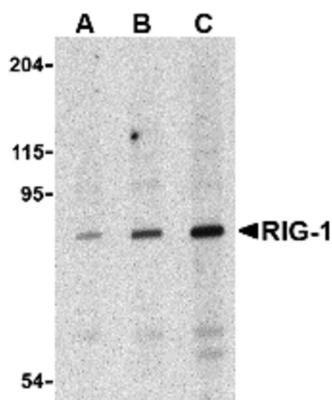
DEAD (Asp-Glu-Ala-Asp) box polypeptide 58

Background

RIG-1 Antibody: The innate immune system detects viral infection by recognizing various viral components and triggers antiviral responses. Like the toll-like receptor 3 (TLR3), the cytoplasmic helicase retinoic acid inducible gene protein 1 (RIG-1) recognizes double-stranded (ds) RNA, a molecular pattern associated with viral infection. Unlike TLR3 however, RIG-1 activates the kinases TBK1 and IKKε through the adaptor protein IPS-1. These kinases then phosphorylate the transcription factors IRF-3 and IRF-7 which are essential for the expression of type-I interferons. RIG-1 is required for the production of interferons in response to RNA viruses including paramyxoviruses, influenza virus, and Japanese encephalitis virus.

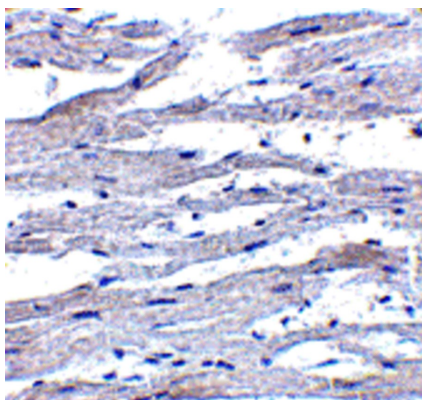
Function

Images



ARG54925 anti-DDX58 / RIG1 antibody WB image

Western blot: C2C12 cell lysate stained with ARG54925 anti-DDX58 / RIG1 antibody at (A) 0.5, (B) 1 and (C) 2 ug/ml dilution.



ARG54925 anti-DDX58 / RIG1 antibody IHC image

Immunohistochemistry: RIG-1 in Human heart tissue stained with ARG54925 anti-DDX58 / RIG1 antibody at 5 ug/ml dilution.