

Rabbit RIG-1 Polyclonal Antibody | anti-DDX58 antibody

RIG-1 Antibody

CATALOG # AAA39682	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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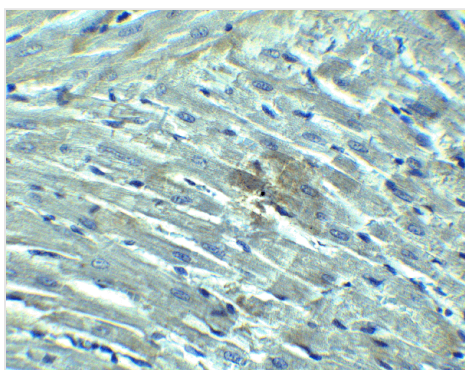
PRODUCT SYNONYMS

RIG-1; Polyclonal Antibody; RIG-1 Antibody; RIG1; RIG-I; RLR-1; Probable ATP-dependent RNA helicase DDX58; DEAD box protein 58; DEAD (Asp-Glu-Ala-Asp) box polypeptide 58; anti-DDX58 antibody

PRODUCT SPECIFICATIONS

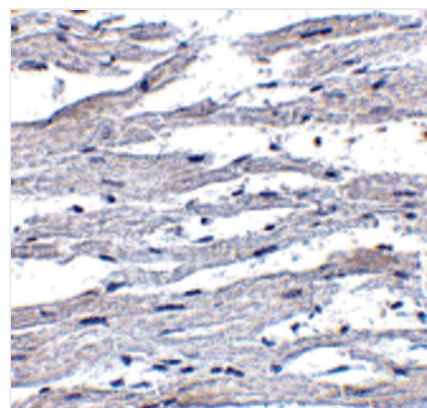
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	RIG-1 Antibody is Protein A purified.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	925
Applicable Applications for anti-DDX58 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	RIG-1 antibody was raised against human GST-tagged RIG-1 protein.
Buffer	RIG-1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	RIG-1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



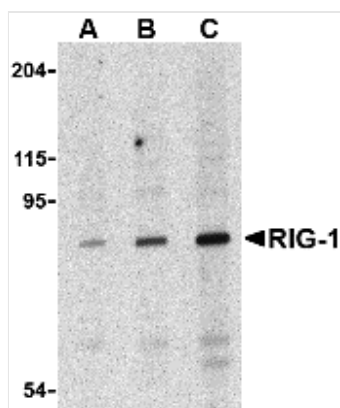
IHC (Immunohistochemistry)

Immunohistochemistry of RIG-1 in rat heart tissue with RIG-1 Antibody at 10 μg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of RIG-1 in human heart tissue with RIG-1 antibody at 5 μg/mL.



WB (Western Blot)

Western blot analysis of RIG-1 in C2C12 cell lysate with RIG-1 antibody at (A) 0.5, (B) 1 and (C) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-DDX58 antibody

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 IKK γ 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	81170421
NCBI GeneID	23586
UniProt Accession #	O95786; Q5HYE1; Q5VYT1; Q9NT04; A2RU81
Molecular Weight	101,377 Da
NCBI Official Full Name	Probable ATP-dependent RNA helicase DDX58
NCBI Official Synonym Full Names	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58
NCBI Official Symbol	DDX58
NCBI Official Synonym Symbols	RIGI; RIG-I; RLR-1
NCBI Protein Information	probable ATP-dependent RNA helicase DDX58; RNA helicase RIG-I; DEAD box protein 58; retinoic acid-inducible gene 1 protein; retinoic acid-inducible gene I protein; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide
UniProt Protein Name	Probable ATP-dependent RNA helicase DDX58
UniProt Gene Name	DDX58
UniProt Synonym Gene Names	RLR-1; RIG-1; RIG-I
UniProt Entry Name	DDX58_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rig-1-antibody-immunohistochemistry-western-blot-elisa/39682>