

Rabbit anti-Human, Rat DHX58 Polyclonal Antibody | anti-DHX58 antibody

DHX58 Polyclonal Antibody

CATALOG # AAA175552	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

DHX58; Polyclonal Antibody; DHX58 Polyclonal Antibody; D11LGP2; D11lgp2e; DEXH (Asp Glu X His) box polypeptide 58; DEXH box polypeptide 58; DHX 58; LGP 2; LGP2; Ortholog of mouse D11lgp2; Probable ATP dependent helicase LGP2; Probable ATP dependent RNA helicase DHX58; Probable ATP-dependent helicase LGP2; Probable ATP-dependent RNA helicase DHX58; Protein D11Lgp2 homolog; RIG-I-like receptor LGP2; RLR; RNA helicase LGP2; anti-DHX58 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4
Concentration	1.02mg/mL (varies by lot)
Sequence Length	678
Applicable Applications for anti-DHX58 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Fusion protein of human DHX58
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using DHX58 Polyclonal Antibody at dilution of 1:60(×200)



WB (Western Blot)

Western blot analysis of Rat liver tissue lysate using DHX58 Polyclonal Antibody at dilution of 1:800

ADDITIONAL INFORMATION

Related Product Information for anti-DHX58 antibody	Acts as a regulator of DDX58/RIG-I and IFIH1/MDA5 mediated antiviral signaling. Cannot initiate antiviral signaling as it lacks the CARD domain required for activating MAVS/IPS1-dependent signaling events. Can have both negative and positive regulatory functions related to DDX58/RIG-I and IFIH1/MDA5 signaling and this role in regulating signaling may be complex and could probably depend on characteristics of the infecting virus or target cells, or both. Its inhibitory action on DDX58/RIG-I signaling may involve the following mechanisms: competition with DDX58/RIG-I for binding to the viral RNA, binding to DDX58/RIG-I and inhibiting its dimerization and interaction with MAVS/IPS1, competing with IKBKE in its binding to MAVS/IPS1 thereby inhibiting activation of interferon regulatory factor 3 (IRF3). Its positive regulatory role may involve unwinding or stripping nucleoproteins of viral RNA thereby facilitating their recognition by DDX58/RIG-I and IFIH1/MDA5. Involved in the innate immune response to various RNA viruses and some DNA viruses such as poxviruses, and also to the bacterial pathogen Listeria monocytogenes. Can bind both ssRNA and dsRNA, with a higher affinity for dsRNA. Shows a preference to 5'-triphosphorylated RNA, although it can recognize RNA lacking a 5'-triphosphate.
Product Categories/Family for anti-DHX58 antibody	Cancer; Epigenetics and Nuclear Signaling; Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119581202
NCBI GeneID	79132
UniProt Accession #	Q96C10
Molecular Weight	77 kDa
NCBI Official Full Name	likely ortholog of mouse D11lgp2, isoform CRA_b
NCBI Official Synonym Full Names	DExH-box helicase 58
NCBI Official Symbol	DHX58
NCBI Official Synonym Symbols	LGP2; RLR-3; D11LGP2; D11lgp2e
NCBI Protein Information	probable ATP-dependent RNA helicase DHX58
UniProt Protein Name	Probable ATP-dependent RNA helicase DHX58
UniProt Gene Name	DHX58
UniProt Synonym Gene Names	D11LGP2E; LGP2; RLR-3; RLR
UniProt Entry Name	DHX58_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/dhx58-antibody-immunohistochemistry-western-blot-elisa/175552>