

Datasheet for ABIN7247327

anti-DHX58 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	200 µL
Target:	DHX58
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DHX58 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Fusion protein of human DHX58
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen affinity purification

Target Details

Target:	DHX58
Alternative Name:	DHX58 (DHX58 Products)
Background:	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

Target Details

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.

Molecular Weight:	Observed_MW: Refer to figures Calculated_MW: 77 kDa
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UniProt:	Q96C10
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Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:100, ELISA 1:5000-1:10000
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	1.02 mg/mL
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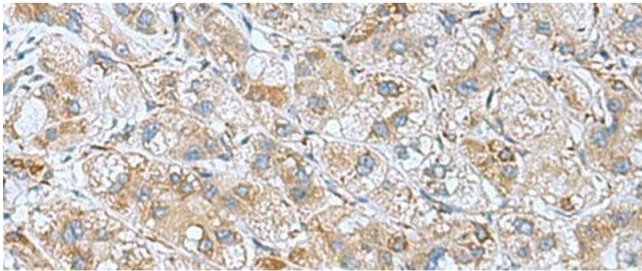
Buffer:	PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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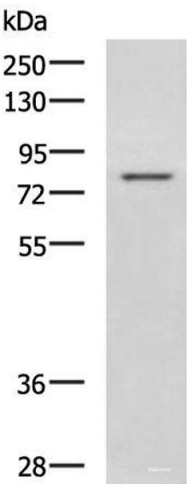
Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human liver cancer tissue using DHX58 Polyclonal Antibody at dilution of 1:60(x200)



Western Blotting

Image 2. Western blot analysis of Rat liver tissue lysate using DHX58 Polyclonal Antibody at dilution of 1:800