

Datasheet for ABIN7164384
anti-DHX58 antibody (AA 389-678)



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3 Images

Overview

Quantity:	100 µL
Target:	DHX58
Binding Specificity:	AA 389-678
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DHX58 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Probable ATP-dependent RNA helicase DHX58 protein (389-678AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	Antigen Affinity Purified

Target Details

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

Target Details

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.

Aliases: D11LGP2 antibody, D11lgp2e antibody, DEXH (Asp Glu X His) box polypeptide 58 antibody, DEXH box polypeptide 58 antibody, DHX 58 antibody, DHX58 antibody, DHX58_HUMAN antibody, LGP 2 antibody, LGP2 antibody, Ortholog of mouse D11lgp2 antibody, Probable ATP dependent helicase LGP2 antibody, Probable ATP dependent RNA helicase DHX58 antibody, Probable ATP-dependent helicase LGP2 antibody, Probable ATP-dependent RNA helicase DHX58 antibody, Protein D11Lgp2 homolog antibody, RIG-I-like receptor LGP2 antibody, RLR antibody, RNA helicase LGP2 antibody

UniProt: [Q96C10](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

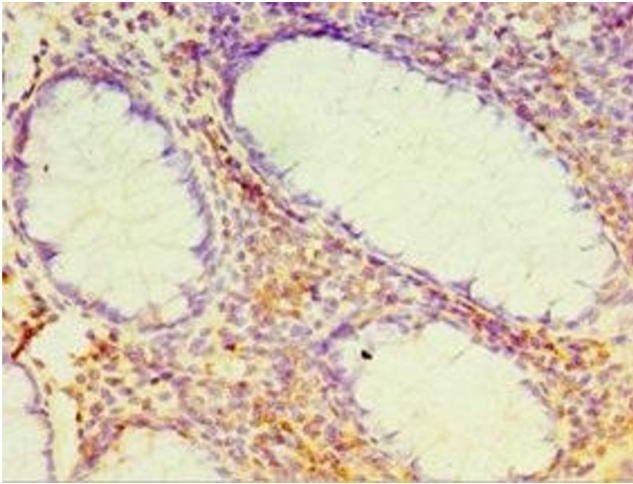
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

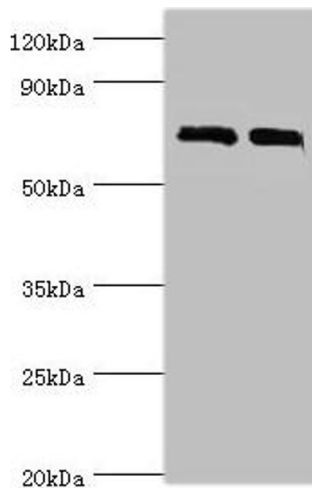
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



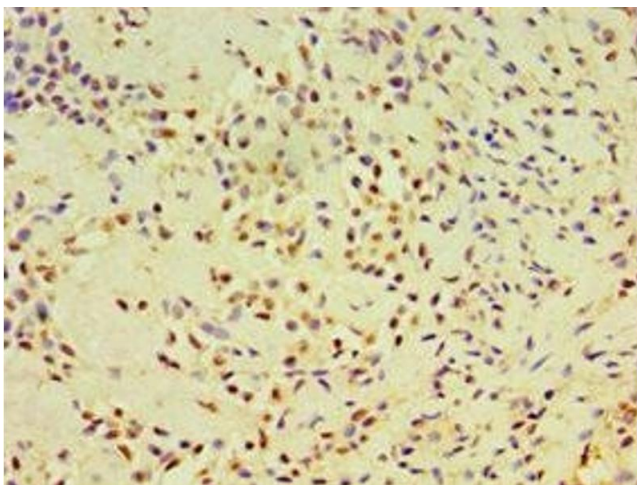
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7164384 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: DHX58 antibody at 12 μ g/mL Lane 1: 293T whole cell lysate Lane 2: Rat kidney tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 77 kDa Observed band size: 77 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7164384 at dilution of 1:100