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anti-DHX58 antibody (Internal Region)

2 Images



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Quantity:	100 μL	
Target:	DHX58	
Binding Specificity:	Internal Region	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This DHX58 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)	
Product Details		

Immunogen:	A synthesized peptide derived from human LGP2, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	LGP2 Antibody detects endogenous levels of total LGP2.
Predicted Reactivity:	Bovine,Horse,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

Target: DHX58

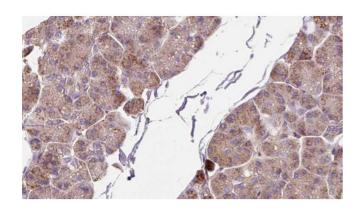
Target Details

Alternative Name:	DHX58 (DHX58 Products)		
Background:	Description: 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.		
	Gene: DHX58		
Molecular Weight:	77 kDa		
Gene ID:	79132		
UniProt:	Q96C10		
Application Details			
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Concentration:	1 mg/mL		
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.		
Preservative:	Sodium azide		
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which		

Handling

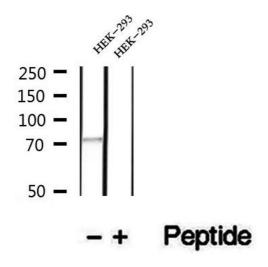
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. ABIN6273262 at 1/100 staining Human pancreas cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Western Blotting

Image 2. Western blot analysis of extracts of HEK-293 cells, using LGP2 antibody.