SunLong Biotech Co.,LTD
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Rabbit Anti-DHX58 antibody

SL14323R

Product Name	DHX58
Chinese Name	DHX58 蛋白抗体
Alias	D11LGP2; D11lgp2e; DEXH (Asp Glu X His) box polypeptide 58; DEXH box polypeptide 58; DHX58; DHX58_HUMAN; LGP 2; LGP2; Ortholog of mouse D11lgp2; Probable ATP depend LGP2; Probable ATP dependent RNA helicase DHX58; Probable ATP-dependent helicase LGP ATP-dependent RNA helicase DHX58; Protein D11Lgp2 homolog; RIG-I-like receptor LGP2; I helicase LGP2.
Research Area	immunology Bacteria and viruses Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat,)
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	77kDa
Cellular localization	cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human DHX58: 581-678/678
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or d

applications.

PubMed PubMed

DHX58, is a 678 amino acid protein belonging to the helicase family. LGP2 acts as a negative re innate immune defense against viruses by binding dsRNA produced during viral replication. The domain of LGP2 binds to RIG-I, a signaling protein involved in host defenses against hepatitis C By preventing RIG-I multimerization, LGP2 negatively regulates RIG-I-mediated signaling. Loc cytoplasm, LGP2 contains one helicase ATP-binding domain and one helicase C-terminal doma

Product Detail

Function:
Participates in innate immune defense against viruses. Upon interaction with intracellular dsRNA during viral replication, triggers a transduction cascade which results in the induction and expres cytokines such as IFN-beta and RANTES (CCL5). The RNA helicase domain may recognize an modify viral RNA to facilitate detection by DDX58/RIG-I or by IFIH1/MDA5 whose affinity fo lower.

Subcellular Location:
Cytoplasm.

Similarity:
Belongs to the helicase family.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.

SWISS:
Q96C10

Gene ID:
79132

Database links:

Entrez Gene: 79132 Human

Entrez Gene: 80861 Mouse

Entrez Gene: 303538 Rat

Omim: 608588 Human

SwissProt: Q96C10 Human

SwissProt: Q99J87 Mouse

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Unigene: 55918 Human

Unigene: 271830 Mouse

Unigene: 105654 Rat