

DDX58 (phospho S8) polyclonal antibody

Catalog # PAB15905 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of DDX58.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S8 of human DDX58.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	ELISA (1:2000-1:5000) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

Gene Info — DDX58

Entrez GeneID	23586
Gene Name	DDX58

Gene Alias	DKFZp434J1111, DKFZp686N19181, FLJ13599, RIG-I
Gene Description	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58
Omim ID	609631
Gene Ontology	Hyperlink
Gene Summary	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases which are implicated in a number of cellular processes involving RNA binding and alteration of RNA secondary structure. This gene encodes a protein containing RNA helicase-DEAD box protein motifs and a caspase recruitment domain (CARD). It is involved in viral double-stranded (ds) RNA recognition and the regulation of immune response. [provided by RefSeq]
Other Designations	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide RIG-I OTTHUMP00000021185 OTTHUMP00000045225 RNA helicase RIG-I retinoic acid-inducible gene I

Publication Reference

- [Assembly of the WHIP-TRIM14-PPP6C Mitochondrial Complex Promotes RIG-I-Mediated Antiviral Signaling.](#)

Tan P, He L, Cui J, Qian C, Cao X, Lin M, Zhu Q, Li Y, Xing C, Yu X, Wang HY, Wang RF.

Molecular Cell 2017 Oct; 68(2):293.

Application: WB-Ce, Human, THP-1 NE cells

- [Systems-based analysis of RIG-I-dependent signalling identifies KHSRP as an inhibitor of RIG-I receptor activation.](#)

Soonthornvacharin S, Rodriguez-Frandsen A, Zhou Y, Galvez F, Huffmaster NJ, Tripathi S, Balasubramaniam VR, Inoue A, de Castro E, Moulton H, Stein DA, Sánchez-Aparicio MT, De Jesus PD, Nguyen Q, König R, Krogan NJ, García-Sastre A, Yoh SM, Chanda SK.

Nature Microbiology 2017 Mar; 2:17022.

Application: WB-Tr, IP-WB, Human, HEK 293T cells

- [Measles Virus Suppresses RIG-I-like Receptor Activation in Dendritic Cells via DC-SIGN-Mediated Inhibition of PP1 Phosphatases.](#)

Mesman AW, Zijlstra-Willems EM, Kaptein TM, de Swart RL, Davis ME, Ludlow M, Duprex WP, Gack MU, Gringhuis SI, Geijtenbeek TB.

Cell Host & Microbe 2014 Jul; 16(1):31.

Application: Flow Cyt, Human, Dendritic cells

- [SIKE is an IKK epsilon/TBK1-associated suppressor of TLR3- and virus-triggered IRF-3 activation pathways.](#)

Huang J, Liu T, Xu LG, Chen D, Zhai Z, Shu HB.

The EMBO Journal 2005 Nov; 24(23):4018.

- [VISA is an adapter protein required for virus-triggered IFN-beta signaling.](#)

Xu LG, Wang YY, Han KJ, Li LY, Zhai Z, Shu HB.

Molecular Cell 2005 Sep; 19(6):727.

Disease

- [Encephalomyelitis](#)
- [Hepatitis C](#)
- [Multiple Sclerosis](#)
- [Neutropenia](#)
- [Thrombocytopenia](#)