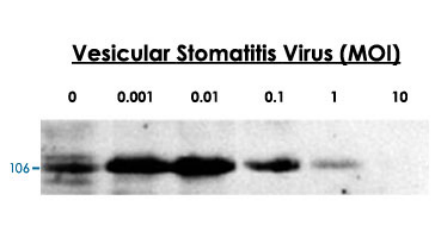
DDX58 polyclonal antibody

Catalog # PAB3684 Size 400 uL

Applications



Western Blot (Cell lysate)

24-hour post infection immunoblots of whole cell lysates from primary murine microglia cells (2x10^6) untreated (0) or exposed to vesicular stomatitis virus at a range of viral particle/cell ratios.
Data courtesy of Dr. Samantha Furr, University of North Carolina at Charlotte.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DDX58.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human DDX58.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Ammonium sulfate precipitation
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 shoul d be handled by trained staff only.

Applications

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Gene Info — DDX58

Entrez GeneID	23586
Protein Accession#	NP_055129;O95786
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

- Inhibition of RIG-I-dependent signaling to the interferon pathway during hepatitis C virus expression and restoration of signaling by IKKepsilon.

  Breiman A, Grandvaux N, Lin R, Ottone C, Akira S, Yoneyama M, Fujita T, Hiscott J, Meurs EF.

  Journal of Virology 2005 Apr; 79(7):3969.

- Distinct poly(I-C) and virus-activated signaling pathways leading to interferon-beta production in hepatocytes.

  Li K, Chen Z, Kato N, Gale M Jr, Lemon SM.

  The Journal of Biological Chemistry 2005 Apr; 280(17):16739.

- Retinoic acid-inducible gene-I is induced by interferon-gamma and regulates the expression of interferon-gamma stimulated gene 15 in MCF-7 cells.

  Cui XF, Imaizumi T, Yoshida H, Borden EC, Satoh K.

  Biochemistry and Cell Biology 2004 Jun; 82(3):401.

  Application: WB, Human, Human lymphoid cells, MCF-7 cells

Disease

- Encephalomyelitis
- Hepatitis C
- Multiple Sclerosis
- Neutropenia
- Thrombocytopenia