

Datasheet for ABIN388603

anti-DDX58 antibody (AA 585-614)[Go to Product page](#)**1** Image

Overview

Quantity:	400 µL
Target:	DDX58
Binding Specificity:	AA 585-614
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDX58 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This RIG-I antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 585-614 amino acids from the Central region of human RIG-I.
Clone:	RB8347
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	DDX58
Alternative Name:	RIG-I (DDX58 Products)

Target Details

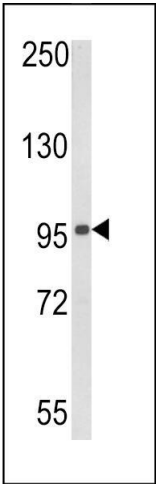
Background:	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases which are implicated in a number of cellular processes involving RNA binding and alteration of RNA secondary structure. RIG-I contains RNA helicase-DEAD box protein motifs and a caspase recruitment domain (CARD). It is involved in viral double-stranded (ds) RNA recognition and the innate immune defense against viruses. Upon interaction with intracellular dsRNA produced during viral replication, RIG-I triggers a transduction cascade involving MAVS/IPS1, which results in the activation of NF-kappa-B, IRF3 and IRF7 and the induction of the expression of antiviral cytokines such as IFN-beta and RANTES (CCL5). This protein is essential for the production of interferons in response to RNA viruses including paramyxoviruses, influenza viruses, Japanese encephalitis virus and HCV.
Molecular Weight:	106600
Gene ID:	23586
NCBI Accession:	NP_055129
UniProt:	O95786
Pathways:	Activation of Innate immune Response , Hepatitis C

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Western Blotting

Image 1. Western blot analysis of DDX58 (ABIN388603 and ABIN2850394) in 293 cell line lysates (35 µg/lane). DDX58 (arrow) was detected using the purified Pab.