

# Rig-I/DDX58 Rabbit pAb

Catalog No.: A0550 **13 Publications**

## Basic Information

### Observed MW

107kDa/

### Calculated MW

107kDa

### Category

Primary antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human, Rat

## 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. 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 the antiviral innate immune response. Mutations in this gene are associated with Singleton-Merten syndrome 2.

## Recommended Dilutions

**WB** 1:2000 - 1:4000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

23586

### Swiss Prot

O95786

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 825-925 of human Rig-I/DDX58 (NP\_055129.2).

### Synonyms

RIG1; DDX58; RIG-I; RLR-1; SGMRT2; Rig-I/DDX58

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

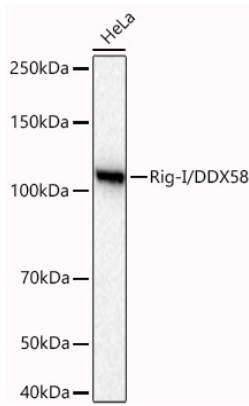
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

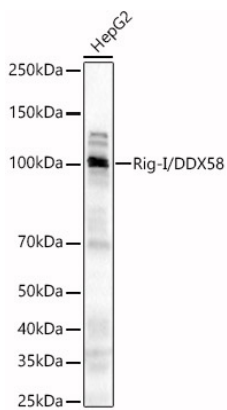
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of lysates from HeLa cells using Rig-I/DDX58 Rabbit pAb (A0550) at 1:2000 dilution incubated overnight at 4°C.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 20s.



Western blot analysis of lysates from HepG2 cells, using Rig-I/DDX58 Rabbit pAb (A0550) at 1:4000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.