

Rig-I/DDX58 Rabbit pAb

Catalog No.: A13407

Basic Information

Observed MW

102-110kDa

Calculated MW

107kDa

Category

Primary antibody

Applications

ELISA,WB,IF/ICC

Cross-Reactivity

Human, Mouse, 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 1:500 - 1:2000

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

23586

Swiss Prot

O95786

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 726-925 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

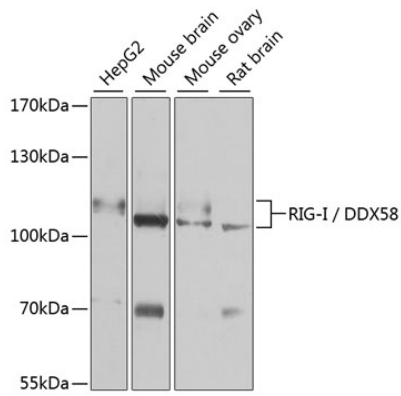
Affinity purification

Storage

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

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

Validation Data



Western blot analysis of extracts of various cell lines, using Rig-I/DDX58 antibody (A13407) at 1:1000 dilution.

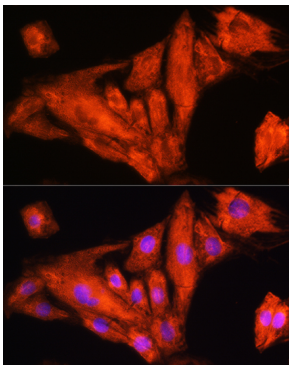
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

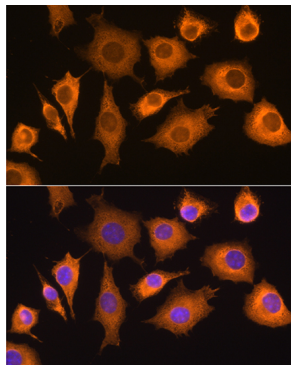
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

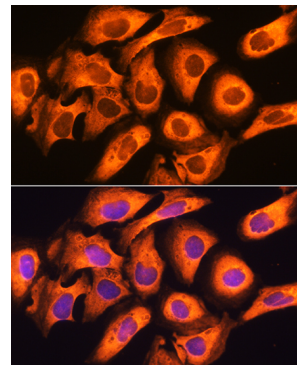
Exposure time: 90s.



Immunofluorescence analysis of H9C2 cells using Rig-I/DDX58 antibody (A13407) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using Rig-I/DDX58 antibody (A13407) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U20S cells using Rig-I/DDX58 antibody (A13407) at dilution of 1:100. Blue: DAPI for nuclear staining.