DATASHEET

DDX58 Rabbit Polyclonal Antibody

CAT. NO. APA13410

KEY FEATURES

Target	DDX58	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Innate immune receptor that senses cytoplasmic viral nucleic acids and activates a downstream signaling cascade leading to the production of type I interferons and pro-inflammatory cytokines . Forms a ribonucleoprotein complex with viral RNAs on which it homooligomerizes to form filaments . The homooligomerization allows the recruitment of RNF135 an E3 ubiquitin-protein ligase that activates and amplifies the RIG-I-mediated antiviral signaling in an RNA length-dependent manner through ubiquitination-dependent and -independent mechanisms .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to DDX58
Specificity	Recognizes endogenous levels of DDX58 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of human DDX58
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 101; Observed: 109 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Probable ATP-dependent RNA helicase DDX58; DEAD box protein 58; RIG-I-like receptor 1; RLR-1; Retinoic acid-inducible gene 1 protein; RIG-1; Retinoic acid-inducible gene I protein; RIG-I
Gene Symbol	DDX58
Entrez Gene	23586(Human)
SwissProt	O95786(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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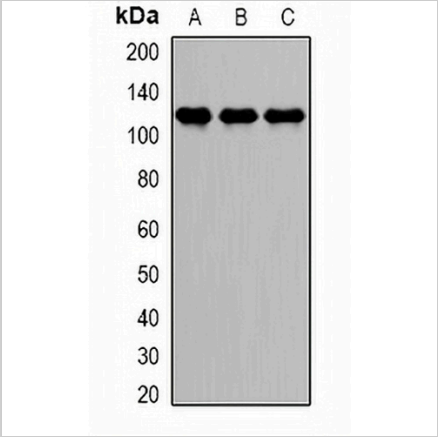
DATA



Western blot analysis of DDX58 expression in Jurkat (A), HepG2 (B), MCF7 (C) whole cell lysates. (Predicted band size: 101; 106 kD; Observed band size: 109 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.