

For Research Use Only

DDX19A Recombinant antibody

Catalog Number: 83106-1-RR



Basic Information

Catalog Number:

83106-1-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7362

GenBank Accession Number:

BC005162

GeneID (NCBI):

55308

UNIPROT ID:

Q9NUU7

Full Name:

DEAD (Asp-Glu-Ala-As) box polypeptide 19A

Calculated MW:

54 kDa

Observed MW:

54 kDa

Purification Method:

Protein A purification

CloneNo.:

230232B12

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HEK-293 cells, HeLa cells, K-562 cells, HepG2 cells, mouse thymus tissue

Background Information

DDX19A, also known as DDX19L, belongs to the DEAD-box helicase family. DDX19A was identified as a novel cytosolic RNA sensor that could activate the NLRP3 inflammasome during virus infection. In addition, DDX19A was proven to be associated with NADPH oxidase 1 (NOX1)-mediated oxidative stress in tumor necrosis factor (TNF)- α -induced A549 cell (PMID: 33968728). It may represent biomarkers of metastasis and novel therapeutic targets in CSCC patients.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

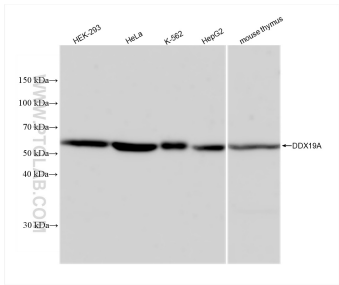
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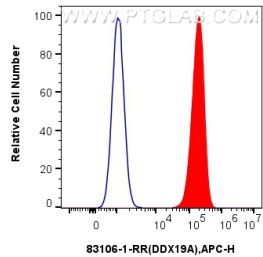
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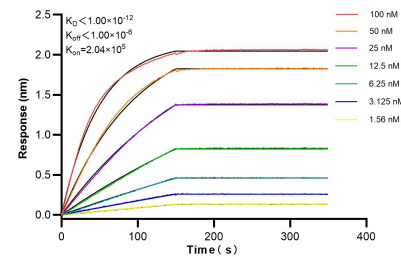
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83106-1-RR (DDX19A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



1x10⁶ U2OS cells were intracellularly stained with 0.25 ug DDX19A Recombinant antibody (83106-1-RR, Clone:230232B12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Biolayer interferometry (BLI) kinetic assays of 83106-1-RR against Human DDX19A were performed. The affinity constant is below 1 pM.