

For Research Use Only

DDX19A Recombinant antibody, PBS Only

Catalog Number: 83106-1-PBS



Basic Information

| | | |
|---|--|---|
| Catalog Number: 83106-1-PBS | GenBank Accession Number: BC005162 | Purification Method: Protein A purification |
| Size: 100ug, Concentration: 1mg/ml by Nanodrop; | GeneID (NCBI): 55308 | CloneNo.: 230232B12 |
| Source: Rabbit | UNIPROT ID: Q9NUU7 | |
| Isotype: IgG | Full Name: DEAD (Asp-Glu-Ala-As) box polypeptide 19A | |
| Immunogen Catalog Number: AG7362 | Calculated MW: 54 kDa | |
| | Observed MW: 54 kDa | |

Applications

Tested Applications:
WB, FC (Intra), Indirect ELISA

Species Specificity:
human, mouse

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 -80°C.

Storage Buffer:
PBS Only

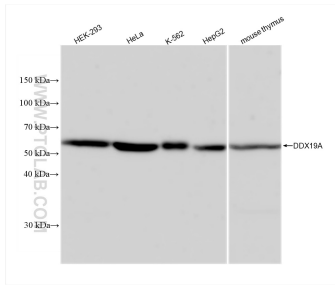
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

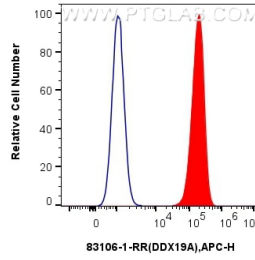
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

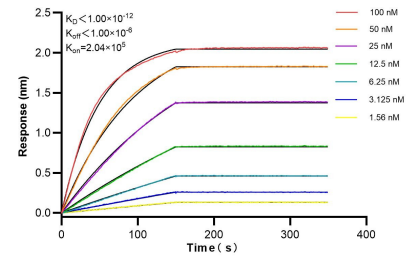
Selected Validation Data



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. This data was developed using the same antibody clone with 83106-1-PBS in a different storage buffer formulation.



1×10^6 U2OS cells were intracellularly stained with 0.25 μ g DDX19A Recombinant antibody (83106-1-RR, Clone:230232B12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 83106-1-PBS in a different storage buffer formulation.



Bioluminescence resonance energy transfer (BRET) kinetic assays of 83106-1-RR against Human DDX19A were performed. The affinity constant is below 1 pM.