

For Research Use Only

DDX3 Recombinant antibody

Catalog Number: 81903-1-RR



Basic Information

Catalog Number:

81903-1-RR

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1614

GenBank Accession Number:

BC011819

GeneID (NCBI):

1654

UNIPROT ID:

O00571

Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked

Calculated MW:

73 kDa

Observed MW:

75 kDa

Purification Method:

Protein A purification

CloneNo.:

5C12

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, HepG2 cells, MCF-7 cells, K-562 cells, mouse brain tissue, rat brain tissue

IF/ICC : HepG2 cells,

Background Information

DDX3X, also named as DBX, DDX3 and HLP2, belongs to the DEAD box helicase family and DDX3/DED1 subfamily. It is ATP-dependent RNA helicase. DDX3X acts as a cofactor for XPO1-mediated nuclear export of incompletely spliced HIV-1 Rev RNAs. It is also involved in HIV-1 replication. DDX3X interacts specifically with hepatitis C virus core protein resulting in a change in intracellular location. 73 kDa is the target band. 60-65 kDa is some other isoform. This antibody can bind both DDX3X and DDX3Y for the close sequences.

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

*** 20ul sizes contain 0.1% BSA

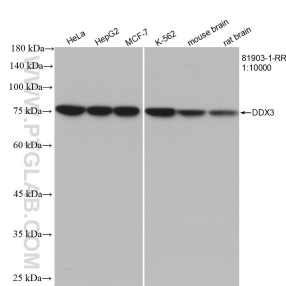
For technical support and original validation data for this product please contact:

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

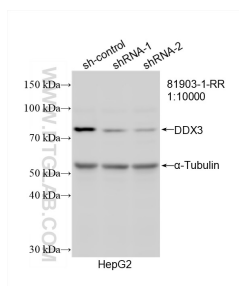
E: proteintech@ptglab.com
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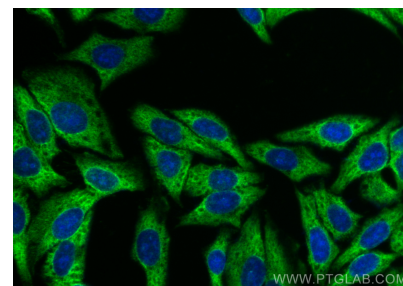
Selected Validation Data



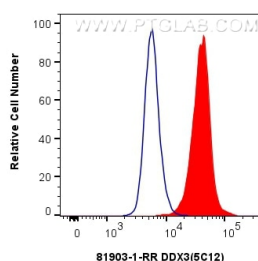
Various lysates were subjected to SDS PAGE followed by western blot with 81903-1-RR (DDX3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of DDX3 antibody (81903-1-RR; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DDX3 transfected HepG2 cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using DDX3 antibody (81903-1-RR, Clone: 5C12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1x10⁶ HepG2 cells were intracellularly stained with 0.4 μ g DDX3 Recombinant antibody (81903-1-RR, Clone:5C12) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.4 μ g Rabbit IgG control Rabbit PolyAb (30000-O-A-P) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).