For Research Use Only

DDX3 Recombinant antibody

Catalog Number:81903-1-RR

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Basic Information

Catalog Number:
81903-1-RR

Size:
1000 ug/ml

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

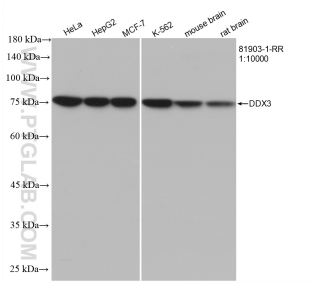
DDX3X, also named as DBX, DDX3 and HLP2, belongs to the DEAD box helicase family and DDX3/DED1 subfamily. It is ATP-dependent RNA helicase. DDX3X acts as a cofactor for XPO1-mediated nuclear export of incompletely spliced HIV-1 Rev RNAs. It is also involved in HIV-1 replication. DDX3X interacts specifically 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

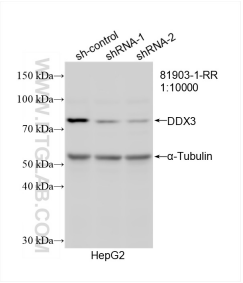
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

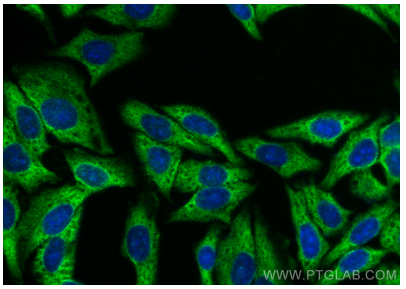
Selected Validation Data



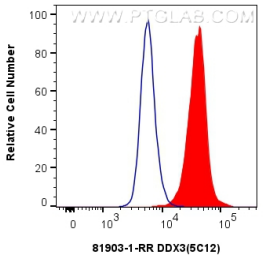
Various lysates were subjected to SDS PAGE followed by western blot with 81903-1-RR (DDX3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



1x10^6 HepG2 cells were intracellularly stained with 0.4 ug 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 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).