

For Research Use Only

DDX51 Polyclonal antibody

Catalog Number: 20149-1-AP

1 Publications



Basic Information

Catalog Number:

20149-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13691

GenBank Accession Number:

BC040185

GeneID (NCBI):

317781

UNIPROT ID:

Q8N8A6

Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 51

Calculated MW:

666 aa, 72 kDa

Observed MW:

72-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB: Jurkat cells, K-562 cells, Raji cells

IP: K-562 cells,

Background Information

The DEAD-box family (DDX) consists of a group of RNA helicases with the activity to hydrolyze ATP and to unwind RNA. The major physiological role of this family was to regulate RNA metabolism including ribosome assembly, RNA splicing, and pre-rRNA processing. DDX51 was a new gene in DDX family composed of 666 amino acids. DDX51 gene was a member of RNA helicases family in charge of regulating RNA metabolism (PMID: 31966432).

Notable Publications

Author	Pubmed ID	Journal	Application
Tao Wang	36151083	Nat Commun	IF

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

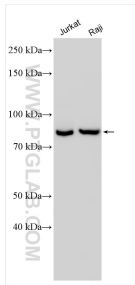
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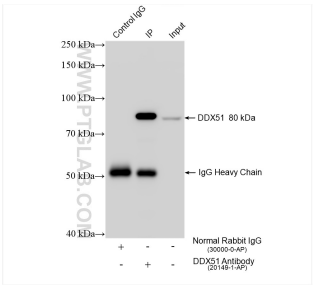
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20149-1-AP (DDX51 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-DDX51 (IP:20149-1-AP, 4ug; Detection:20149-1-AP 1:1000) with K-562 cells lysate 1820 ug.