

For Research Use Only

DDX17 Polyclonal antibody

Catalog Number: 19910-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

19910-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13723

GenBank Accession Number:

BC000595

GeneID (NCBI):

10521

UNIPROT ID:

Q92841

Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 17

Calculated MW:

729 aa, 80 kDa

Observed MW:

72-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:500-1:2000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP, PLA

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse brain tissue, HEK-293T cells, HEK-293 cells, rat brain tissue

IP : mouse brain tissue,

IHC : human kidney tissue,

IF/ICC : HEK-293 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

DDX17, also named as DEAD box protein p72 and DEAD box protein p82, is a 729 amino acid protein, which belongs to the DEAD box helicase family. DDX5/DBP2 subfamily. DDX17 is widely expressed. Levels tend to increase during colon cancer progression, from very low in benign hyperplastic polyps to very high in tubular and villous adenomas. DDX17 as an RNA helicase unwinds RNA and alters RNA structures through ATP binding and hydrolysis. DDX17 is involved in multiple cellular processes, including pre-mRNA splicing, alternative splicing, ribosomal RNA processing and miRNA processing, as well as transcription regulation. It regulates the alternative splicing of exons exhibiting specific features. Identification and characterisation of p72, a novel human nuclear DEAD box protein, which shows a striking homology to p68. A predicted molecular mass of DDX17 is 72 kDa, but endogenous DDX17 migrates aberrantly at 79 kDa on SDS-PAGE (PMID: 8871553).

Notable Publications

Author	Pubmed ID	Journal	Application
Ying Xue	31653828	Cell Death Dis	WB,IHC,IP,CoIP
Xiaohui Liu	36273228	Cell Death Discov	WB,IF,IP
J J David Ho	34644561	Cell Rep	WB

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

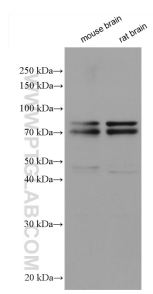
For technical support and original validation data for this product please contact:

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

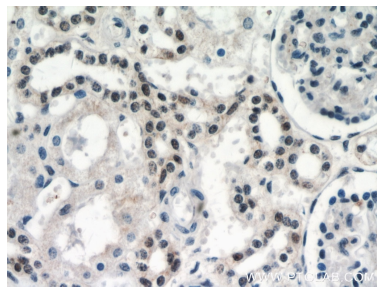
E: proteintech@ptglab.com
W: ptglab.com

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

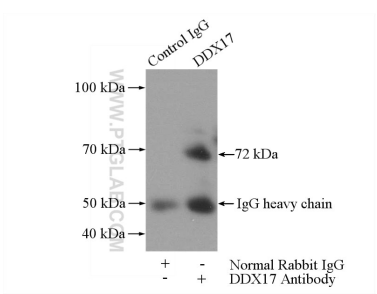
Selected Validation Data



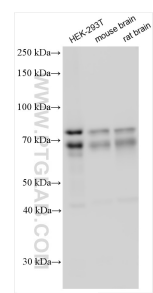
Various lysates were subjected to SDS PAGE followed by western blot with 19910-1-AP (DDX17 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



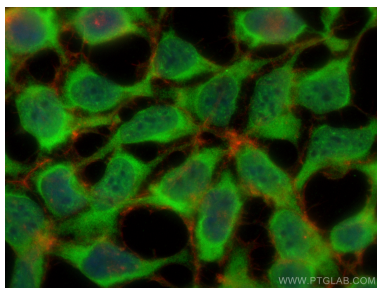
Immunohistochemical analysis of paraffin-embedded human kidney using 19910-1-AP (DDX17 antibody) at dilution of 1:1000 (under 40x lens).



IP result of anti-DDX17 (IP:19910-1-AP, 4ug; Detection:19910-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



Various lysates were subjected to SDS PAGE followed by western blot with 19910-1-AP (DDX17 antibody) at dilution of 1:12000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using DDX17 antibody (19910-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).