

CoraLite® Plus 488-conjugated DDX17 Polyclonal antibody

Catalog Number: CL488-19910

Featured Product

Basic Information

Catalog Number:

CL488-19910

Size:

1000 µg/ml

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:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HEK-293 cells,

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).

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

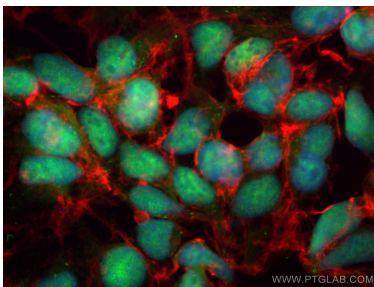
For technical support and original validation data for this product please contact:

T: 4006900926

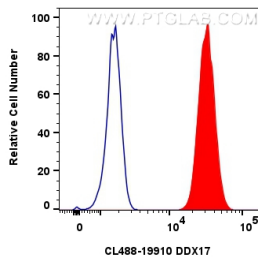
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using Coralite® Plus 488 DDX17 antibody (CL488-19910) at dilution of 1:200, CL594-Phalloidin (red).



1x10⁶ HEK-293 cells were intracellularly stained with 0.8 ug Coralite® Plus 488-conjugated DDX17 Polyclonal antibody (CL488-19910)(red), or 0.8 ug Coralite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).