For Research Use Only

DDX39A Recombinant antibody, PBS Only

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Catalog Number:83083-5-PBS

Basic Information

Catalog Number:
83083-5-PBS

Size:
100ug , Concentration: 1mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2311

GenBank Accession Number:
BC032128

GeneID (NCBI):
10212

UNIPROT ID:
O00148

Full Name:
DEAD (Asp-Glu-Ala-Asp) box polypeptide 39

Calculated MW:
427 aa, 49 kDa

Observed MW:
50 kDa

Purification Method:
Protein A purification

CloneNo.:
230375F9

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse

Background Information

DDX39A, also named the BAT1 protein, contains the nine conserved motifs that characterize the DEAD-box family of RNA-binding proteins. The family includes proteins found in all eukaryotic cell types, with considerable divergence in the sequences lying between the conserved motifs. Some of the motifs were known before the definition of the family and are responsible for binding to mRNA or ATP, or possess ATPase activity. Phylogenetic analyses have grouped BAT1 with the defining member of the DEAD-box family, eIF-4. This is a translation initiation factor required for the dissociation of stem/loop structures in mRNA at the ribosomes.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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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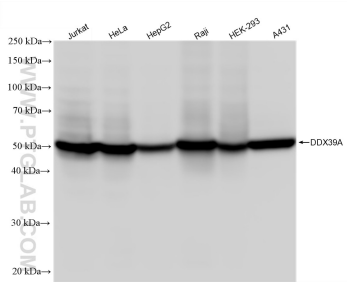
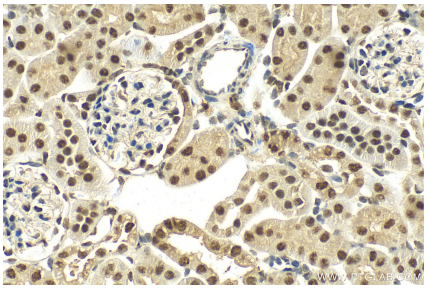
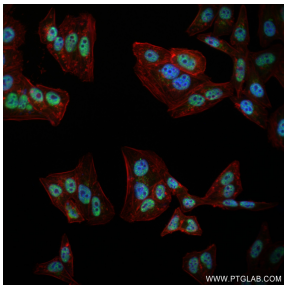
Selected Validation Data



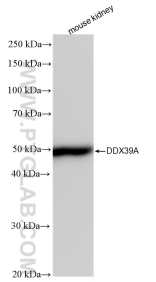
Various lysates were subjected to SDS PAGE followed by western blot with 83083-5-RR (DDX39 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83083-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 83083-5-RR (DDX39A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83083-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DDX39 antibody (83083-5-RR, Clone: 230375F9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83083-5-PBS in a different storage buffer formulation.



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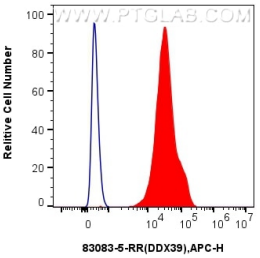
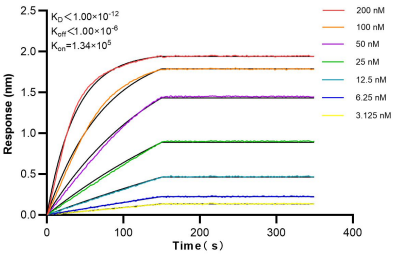


1x10^6 Jurkat cells were intracellularly stained with 0.25 ug Anti-Human DDX39A (83083-5-RR, Clone:230375F9) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 83083-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83083-5-RR against Human DDX39A were performed. The affinity constant is below 1 pM.