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Anti-DDX39B / UAP56 Antibody (aa2-251)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18515

Specification

Anti-DDX39B / UAP56 Antibody (aa2-251) - Product Information

Application	**WB, IHC-P, E**
Primary Accession	Q13838
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**48991**

Anti-DDX39B / UAP56 Antibody (aa2-251) - Additional Information

Gene ID 7919

Alias Symbol	**DDX39B**

Other Names
DDX39B, BAT1, DEAD box protein UAP56, HLA-B associated transcript 1, UAP56, ATP-dependent RNA helicase p47, D6S81E, Spliceosome RNA helicase BAT1

Target/Specificity
Human DDX39B / UAP56 / BAT1

Reconstitution & Storage
Caprylic acid and ammonium sulfate precipitation

Precautions
Anti-DDX39B / UAP56 Antibody (aa2-251) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-DDX39B / UAP56 Antibody (aa2-251) - Protein Information

Name DDX39B (HGNC:13917)

Synonyms BAT1, UAP56

Function
Involved in nuclear export of spliced and unspliced mRNA. Assembling component of the TREX complex which is thought to couple mRNA transcription, processing and nuclear export, and specifically associates with spliced mRNA and not with unspliced pre-mRNA. TREX is recruited to spliced mRNAs by a transcription-independent mechanism, binds to mRNA upstream of the exon-junction complex (EJC) and is recruited in a splicing- and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export to the cytoplasm via the TAP/NFX1 pathway. May undergo several rounds of ATP hydrolysis during assembly of TREX to drive subsequent loading of components such as ALYREF/THOC and CHTOP onto mRNA. Also associates

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with pre-mRNA independent of ALYREF/THOC4 and the THO complex. Involved in the nuclear export of intronless mRNA; the ATP-bound form is proposed to recruit export adapter ALYREF/THOC4 to intronless mRNA; its ATPase activity is cooperatively stimulated by RNA and ALYREF/THOC4 and ATP hydrolysis is thought to trigger the dissociation from RNA to allow the association of ALYREF/THOC4 and the NXF1-NXT1 heterodimer. Involved in transcription elongation and genome stability.

Cellular Location
Nucleus. Nucleus speckle. Cytoplasm. Note=Can translocate to the cytoplasm in the presence of MX1. TREX complex assembly seems to occur in regions surrounding nuclear speckles known as perispeckles

Anti-DDX39B / UAP56 Antibody (aa2-251) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-DDX39B / UAP56 Antibody (aa2-251) - Images