

Datasheet for ABIN7144990  
**anti-DDX42 antibody (AA 519-819)**[Go to Product page](#)

## 3 Images

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µg   |
| Target:              | DDX42  |
| Binding Specificity: | AA 519-819   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This DDX42 antibody is un-conjugated                       |
| Application:         | ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC) |

## Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | Recombinant Human ATP-dependent RNA helicase DDX42 protein (519-819AA) |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human  |
| Purification:     | >95%, Protein G purified   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | DDX42  |
| Alternative Name: | DDX42 ( <a href="#">DDX42 Products</a> )   |
| Background:       | Background: ATP-dependent RNA helicase. Binds to partially double-stranded RNAs (dsRNAs) in order to unwind RNA secondary structures. Unwinding is promoted in the presence of single- |

## Target Details

strand binding proteins. Mediates also RNA duplex formation thereby displacing the single-strand RNA binding protein. ATP and ADP modulate its activity: ATP binding and hydrolysis by DDX42 triggers RNA strand separation, whereas the ADP-bound form of the protein triggers annealing of complementary RNA strands. Involved in the survival of cells by interacting with TP53BP2 and thereby counteracting the apoptosis-stimulating activity of TP53BP2. Relocalizes TP53BP2 to the cytoplasm.

Aliases: DDX42ATP-dependent RNA helicase DDX42 antibody, EC 3.6.4.13 antibody, DEAD box protein 42 antibody, RNA helicase-like protein antibody, RHELP antibody, RNA helicase-related protein antibody, RNAHP antibody, SF3b DEAD box protein antibody, Splicing factor 3B-associated 125 kDa protein antibody, SF3b125 antibody

UniProt: [Q86XP3](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:500,

Restrictions: For Research Use only

## Handling

Format: Liquid

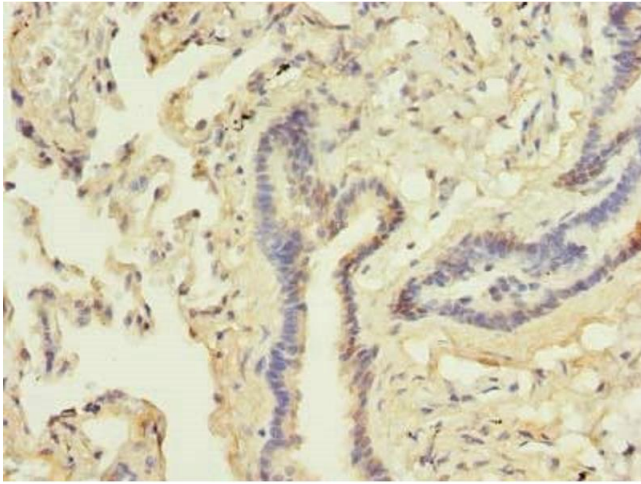
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

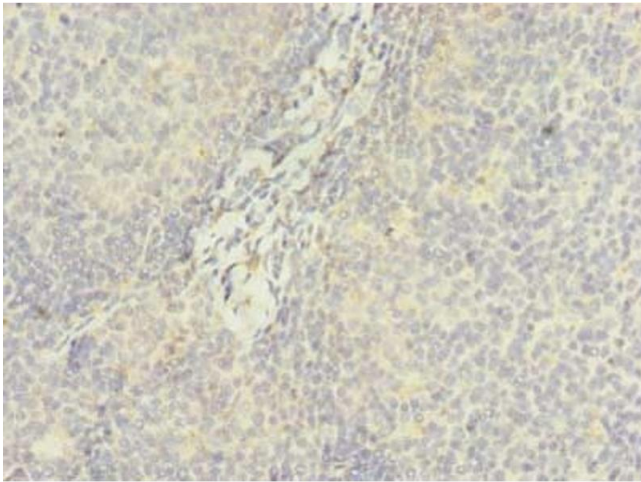
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



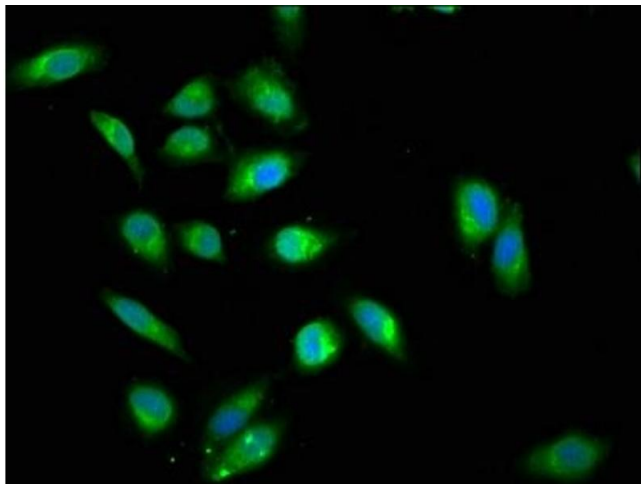
#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human lung tissue using ABIN7144990 at dilution of 1:100



#### Immunohistochemistry

**Image 2.** Immunohistochemistry of paraffin-embedded human tonsil tissue using ABIN7144990 at dilution of 1:100



#### Immunofluorescence

**Image 3.** Immunofluorescence staining of HeLa cells with ABIN7144990 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).