

DATASHEET

DDX19B Rabbit Polyclonal Antibody

CAT. NO. APA10388

KEY FEATURES

| | | | |
|---------------|---|---------------|--------------------|
| Target | DDX19B | Source / Host | Rabbit |
| Reactivity | Human, Mouse | Clonality | Polyclonal |
| Applications | WB, IHC, IF/ICC | Conjugation | Unconjugated |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | Storage at-20°C |

BACKGROUND

ATP-dependent RNA helicase involved in mRNA export from the nucleus . Rather than unwinding RNA duplexes, DDX19B functions as a remodeler of ribonucleoprotein particles, whereby proteins bound to nuclear mRNA are dissociated and replaced by cytoplasmic mRNA binding proteins .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|--------|----------------|
| WB | 1:500 - 1:1000 |
| IHC | 1:100 - 1:200 |
| IF/ICC | 1:50 - 1:200 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

| | |
|-------------------|---|
| Description | Rabbit polyclonal antibody to DDX19B |
| Specificity | Recognizes endogenous levels of DDX19B protein. |
| Antibody Type | Primary antibody |
| Immunogen | KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human DDX19B. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 53 kD; Observed: 60 kD |
| Form/Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | DBP5; DDX19; TDBP; ATP-dependent RNA helicase DDX19B; DEAD box RNA helicase DEAD5; DEAD box protein 19B |
| Gene Symbol | DDX19B |
| Entrez Gene | 11269(Human) |
| SwissProt | Q9UMR2(Human) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

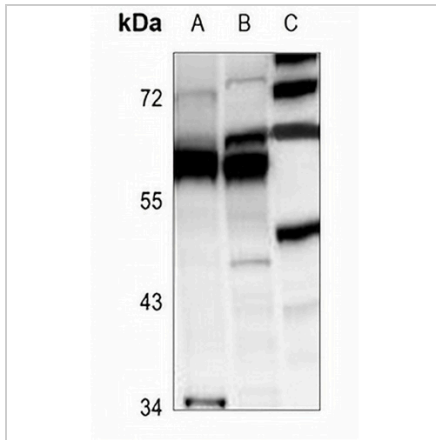
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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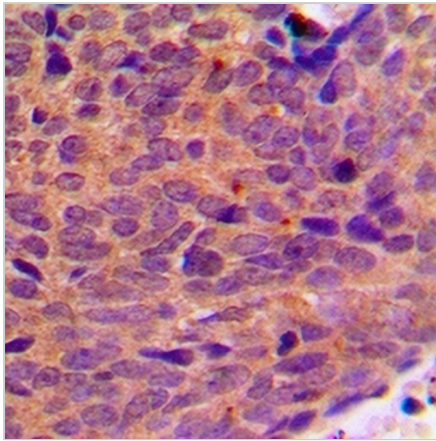
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Western blot analysis of DDX19B expression in LO2 (A), A375 (B), mouse kidney (C) whole cell lysates. (Predicted band size: 53 kD; Observed band size: 60 kD)



Immunohistochemical analysis of DDX19B staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of DDX19B staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.