

Datasheet for ABIN933113 **anti-DHX38 antibody**

3 Images



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Overview

Quantity:	100 µg
Target:	DHX38
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DHX38 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Flow Cytometry (FACS), Immunocytochemistry (ICC), Dot Blot (DB)

Product Details

Immunogen:	DHX38 antibody was raised in mouse using recombinant Human Deah (Asp-Glu-Ala-His) Box Polypeptide 38 (Dhx38)
Clone:	2271C1a
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

Target Details

Target:	DHX38
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Target Details

Alternative Name: DHX38 ([DHX38 Products](#))

Background: DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The protein encoded by this gene is a member of the DEAD/H box family of splicing factors. This protein resembles yeast Prp16 more closely than other DEAD/H family members. It is an ATPase and essential for the catalytic step II in pre-mRNA splicing process. Synonyms: Monoclonal DHX38 antibody, Anti-DHX38 antibody, DEAH (Asp-Glu-Ala-His) box polypeptide 38 antibody, DDX38 antibody, PRP16 antibody, PRPF16 antibody, KIAA0224 antibody.

Application Details

Application Notes: WB: 0.2-2 µg/mL, IP: 100-500 µg/sample, FC: 0.5-2 µg/sample, ICC: 2-100 µg/mL
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: Lot specific

Buffer: DHX38 antibody in PBS (3.0 mM KCl, 1.5 mM KH₂PO₄, 140 mM NaCl, 8.0 mM Na₂HPO₄ (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN₃).

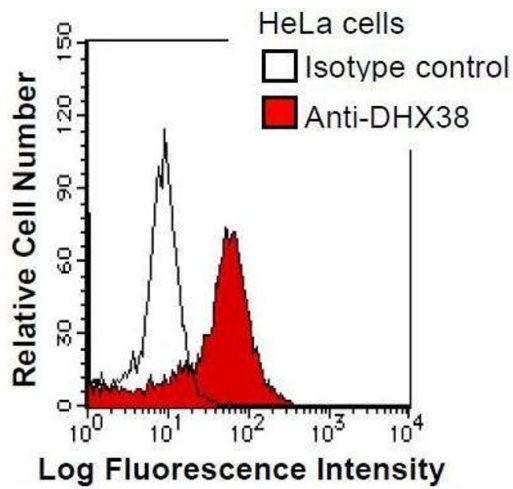
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

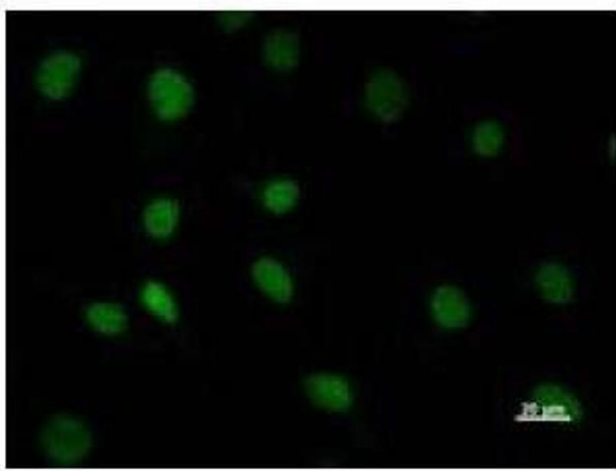
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



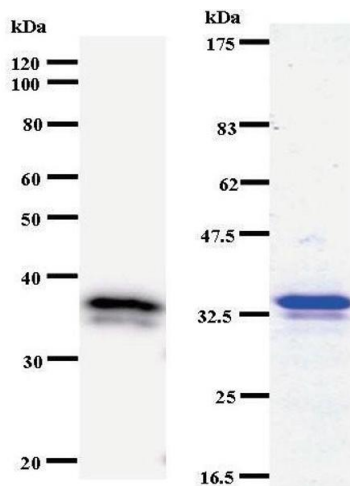
Flow Cytometry

Image 1. HeLa cells were fixed in 2% paraformaldehyde/PBS and then permeabilized in 90% methanol. Cells were stained with anti-DHX38 antibody (shaded) or isotype control (unshaded) followed by Alexa Fluor 488 conjugated goat anti-mouse IgG.



Immunofluorescence

Image 2. Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-X100 in PBS. The cells were immunostained with anti-DHX38 antibody.



Western Blotting

Image 3. Left: DHX38 staining. Right: Coomassie Blue staining of immunized recombinant protein.