

Datasheet for ABIN933120
anti-DDX3X antibody



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2 Images

Overview

Quantity:	100 µg
Target:	DDX3X
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DDX3X antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC), Dot Blot (DB)

Product Details

Immunogen:	DDX3 X antibody was raised in mouse using recombinant Human Dead (Asp-Glu-Ala-Asp) Box Polypeptide 3, X-Linked (Ddx3)
Clone:	2253C5a
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

Target Details

Target:	DDX3X
Alternative Name:	DDX3X (DDX3X Products)

Target Details

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. This gene encodes a DEAD box protein, which interacts specifically with hepatitis C virus core protein resulting a change in intracellular location. This gene has a homolog located in the nonrecombining region of the Y chromosome. The protein sequence is 91% identical between this gene and the Y-linked homolog. Synonyms: Monoclonal DDX3X antibody, Anti-DDX3X antibody, DEAD (Asp-Glu-Ala-Asp) box polypeptide 3 X-linked antibody, DBX antibody, DDX3 antibody, HLP2 antibody, DDX14 antibody.

Pathways: [Ribonucleoprotein Complex Subunit Organization](#), [Positive Regulation of Endopeptidase Activity](#), [Negative Regulation of intrinsic apoptotic Signaling](#), [Ribosome Assembly](#)

Application Details

Application Notes: WB: 0.2-2 µg/mL, IP: 100-500 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: DDX3 X antibody in PBS (3.0 mM KCl, 1.5 mM KH₂ PO₄, 140 mM NaCl, 8.0 mM Na₂ HPO₄ (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN₃).

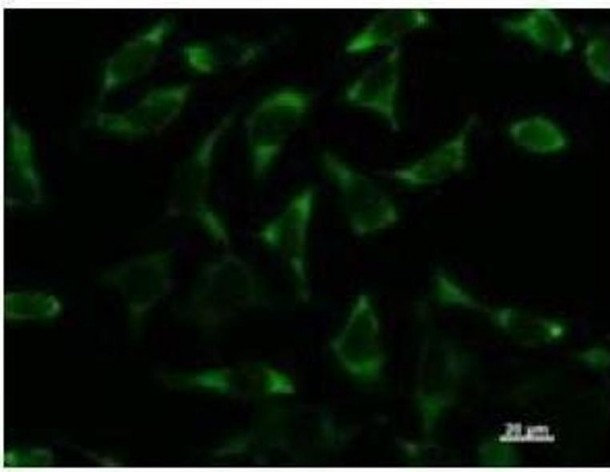
Preservative: Sodium azide

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.

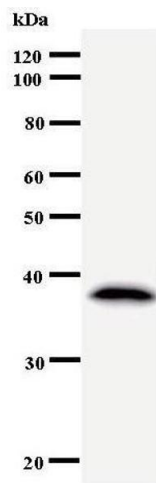
Storage: 4 °C/-20 °C

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



Immunofluorescence

Image 1. 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-DDX3X antibody.



Western Blotting

Image 2.