

Datasheet for ABIN969084

anti-DDX4 antibody

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Overview

Quantity:	100 µL
Target:	DDX4
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human DDX4 expressed in E. coli.
Clone:	2F9H5
Isotype:	IgG1
Purification:	purified

Target Details

Target:	DDX4
Alternative Name:	DDX4 (DDX4 Products)
Background:	Description: 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

Target Details

members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division.

Aliases: VASA,MGC111074,DDX4

Molecular Weight: 76 kDa

Gene ID: 54514

HGNC: 54514

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

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

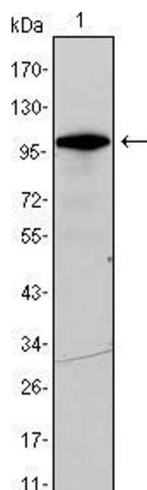
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

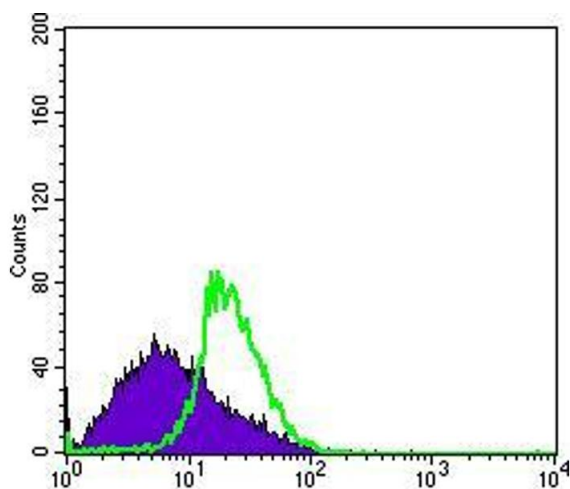
Product cited in: Durkin, Guo, Fryrear, Mihaylova, Gupta, Belgnaoui, Haoudi, Kupfer, Semmes: "HTLV-1 Tax oncoprotein subverts the cellular DNA damage response via binding to DNA-dependent protein kinase." in: **The Journal of biological chemistry**, Vol. 283, Issue 52, pp. 36311-20, (2008) ([PubMed](#)).

Huston, Lynch, Mohamed, Collins, Hill, MacLeod, Krause, Baillie, Houslay: "EPAC and PKA allow cAMP dual control over DNA-PK nuclear translocation." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 105, Issue 35, pp. 12791-6, (2008) ([PubMed](#)).



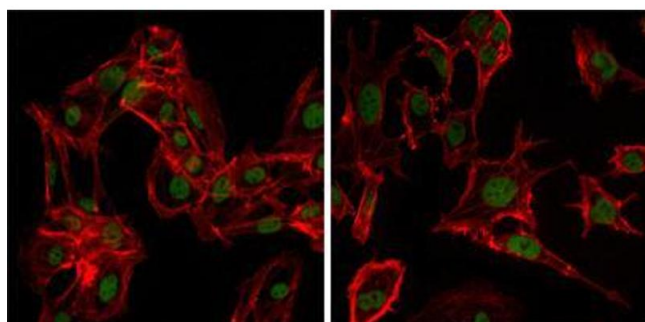
Western Blotting

Image 1. Western blot analysis using DDX4 mouse mAb against DDX4-hlgGfC transfected HEK293 cell lysate.



Flow Cytometry

Image 2. Flow cytometric analysis of MSCS cells using DDX4 mouse mAb (green) and negative control (purple).



Immunofluorescence

Image 3. Immunofluorescence analysis of MSCs(left) and NTERA-2 (right) cells using DDX4 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN969084.