Anti-DDX4 antibody

Cat. No.	ml220033
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-DDX4 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human DDX4
Reactivity	Human
Content	0.2 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	DDX4
Full name	DEAD (Asp-Glu-Ala-Asp) box polypeptide 4

Synonyms	VASA
Swissprot	Q9NQI0

Target 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 is a homolog of VASA proteins in Drosophila and several other species. The gene is specifically expressed in the germ cell lineage in both sexes and functions in germ cell development. Multiple transcript variants encoding different isoforms have been found for this gene.

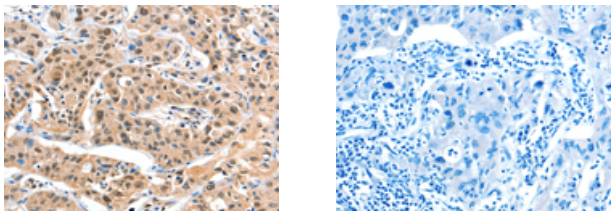
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml220033(DDX4 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

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Positive control: Human lung cancer

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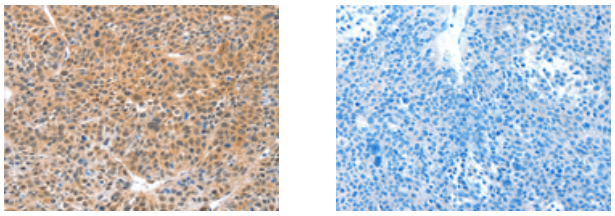


The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml220033(DDX4 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size:79 kDa

Positive control:SKOV3 and hela cells

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

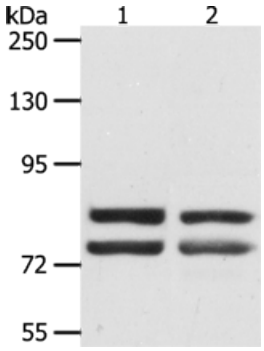
Lysate: 40 μg

Lane 1-2: SKOV3 cells, hela cells

Primary antibody: ml220033(DDX4 Antibody) at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 45 seconds



ELISA

Recommended dilution: 2000-5000

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