Anti-DDX3 antibody ab128206

Overview

Product name: Anti-DDX3 antibody
Description: Rabbit polyclonal to DDX3
Host species: Rabbit
Tested applications: Suitable for: WB, ICC/IF
Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: Purified full-length Human DDX3X with a proprietary tag.
Positive control: HeLa whole cell extracts; HeLa cells.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: Preservative: 0.05% Sodium azide
Constituent: 99% Whole serum
Purity: Whole antiserum
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab128206 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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Target
Function
ATP-dependent RNA helicase. Acts as a cofactor for XPO1-mediated nuclear export of incompletely spliced HIV-1 Rev RNAs. Also involved in HIV-1 replication. Interacts specifically with hepatitis C virus core protein resulting in a change in intracellular location.

Sequence similarities
Belongs to the DEAD box helicase family. DDX3/DED1 subfamily. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.

Cellular localization
Nucleus speckle. Cytoplasm. Located predominantly in nuclear speckles and, at low levels, throughout the cytoplasm. Located to the outer side of nuclear pore complexes (NPC). Shuttles between the nucleus and the cytoplasm in a XPO1-dependent manner.

Images

Western blot - Anti-DDX3 antibody (ab128206) at 1/1000 dilution + HeLa whole cell extracts at 10 µg

Predicted band size: 73 kDa

Immunocytochemistry/ Immunofluorescence - Anti-DDX3 antibody (ab128206)

ab128206, at 1/500, staining DDX3 in untreated (a) or LMB-treated (b) Paraformaldehyde-fixed HeLa cells by Immunofluorescence (green).

DDX3X is localized in cytoplasm in the absence of treatment, but once treated with LMB, a nuclear translocation inhibitor, it is localized not only in cytoplasm but also in nuclei.

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