Human/Mouse/Rat DDX1 Alexa Fluor® 700-conjugated Antibody

Monoclonal Rabbit IgG Clone # 2220A
Catalog Number: FAB9615N
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat DDX1 in Western blots.
Source	Monoclonal Rabbit IgG Clone # 2220A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Human/mouse/rat DDX1 synthetic Peptide Accession # Q92499
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Knockout Validated	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

DEAD (Asp-Glu-Ala-Asp) box helicase 1 (DDX1) is a putative RNA helicase gene. RNA helicases are involved in various cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. It has been proposed that DDX1 plays a role in RNA clearance at DNA double-strand breaks. It has also been reported as a coactivator of the NF-kappa-B promoter. DDX1 also acts as a positive transcriptional regulator of cyclin CCND2 expression. Human DDX1 has 97% homology to mouse and rat DDX1. Expression in embryos and testis suggest that DDX1 mediates cell growth and development. DDX1 has been proposed as a diagnostic marker for early recurrence in primary breast cancer.

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