ARG45471
anti-DDX21 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DDX21
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Specificity	DDX21
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DDX21
Species	Human
Immunogen	Recombinant protein containing to human DDX21.
Conjugation	Un-conjugated
Alternate Names	DDX21; DExD-Box Helicase 21; Gu-Alpha; Nucleolar RNA Helicase 2; RH-II/GU; GURDB; DEAD/H (Asp-Glu-Ala-Asp/His) Box Polypeptide 21; Nucleolar RNA Helicase Gu; Nucleolar RNA Helicase II; DEAD-Box Helicase 21; DEAD Box Protein 21; RH II/Gu; DEAD (Asp-Glu-Ala-Asp) Box Helicase 21; RNA Helicase II/Gu Alpha; EC 3.6.4.13; Gu Protein; RH-II/GuA; EC 3.6.1 47; II/Gu; GUA; RH

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
ICC/IF	5 µg/ml
WB	0.25-0.5 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	86 kDa

Properties

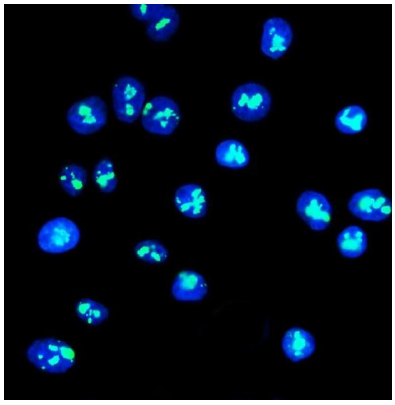
Form	Powder
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	DDX21
Gene Full Name	DExD-Box Helicase 21
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 an antigen recognized by autoimmune antibodies from a patient with watermelon stomach disease. This protein unwinds double-stranded RNA, folds single-stranded RNA, and may play important roles in ribosomal RNA biogenesis, RNA editing, RNA transport, and general transcription. [provided by RefSeq, Jul 2008]
Function	RNA helicase that acts as a sensor of the transcriptional status of both RNA polymerase (Pol) I and II: promotes ribosomal RNA (rRNA) processing and transcription from polymerase II (Pol II) [UniProt]
Calculated Mw	87 kDa
PTM	Acetylation; Isopeptide bond; Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Cytoplasm; Mitochondrion; Nucleus. [UniProt]

Images

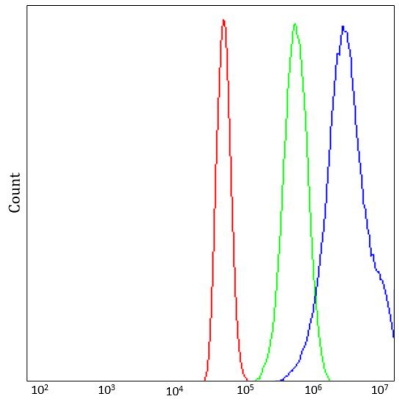


ARG45471 anti-DDX21 antibody ICC/IF image

Immunofluorescence: Caco-2 stained with ARG45471 anti-DDX21 antibody at 5 µg/ml dilution.

ARG45471 anti-DDX21 antibody WB image

Western blot: HEK293 stained with ARG45471 anti-DDX21 antibody at 0.5 µg/ml dilution.



ARG45471 anti-DDX21 antibody FACS image

Flow Cytometry: A431 stained with ARG45471 anti-DDX21 antibody at 1 µg/10^6 cells dilution.