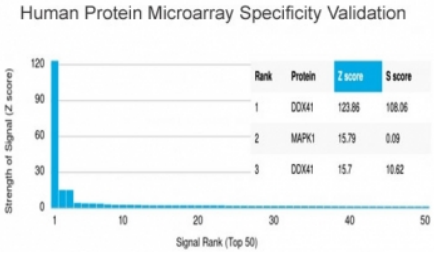
DDX41 Antibody [clone PCRP-DDX41-1B4] (V9206)

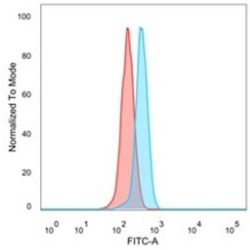
Catalog No.	Formulation	Size
V9206-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9206-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9206SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

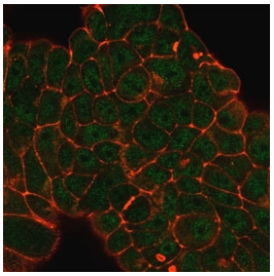
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	PCRP-DDX41-1B4
Purity	Protein A/G affinity
UniProt	Q9UJV9
Localization	Nucleus
Applications	Flow Cytometry : 1-2ug/million cells Western Blot : 1-2ug/ml Immunofluorescence : 1-2ug/ml
Limitations	This DDX41 antibody is available for research use only.



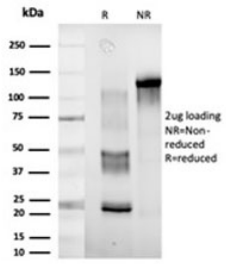
Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using DDX41 antibody (clone PCRP-DDX41-1B4). These results demonstrate the foremost specificity of the PCRP-DDX41-1B4 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



FACS staining of PFA-fixed human HeLa cells with DDX41 antibody (blue, clone PCRP-DDX41-1B4), and unstained cells (red).



Immunofluorescent staining of PFA-fixed human MCF-7 cells using DDX41 antibody (green, clone PCRP-DDX41-1B4) and phalloidin (red).



SDS-PAGE analysis of purified, BSA-free DDX41 antibody (clone PCRP-DDX41-1B4) as confirmation of integrity and purity.

Description

DDX41 (Probable ATP-dependent RNA helicase DDX41, DEAD box protein abstrakt homolog) is a 622 amino acid protein encoded by the human gene DDX41. DDX41 belongs to the DEAD box helicase family (DDX41 subfamily) and contains one CCHC-type zinc finger, one helicase ATP-binding domain and one helicase C-terminal domain. DDX41 is required during post-transcriptional gene expression and is thought to be involved in pre-mRNA splicing. DDX41 is believed to be a probable ATP-dependent RNA helicase. RNA helicases are highly conserved enzymes that utilize the energy derived from NTP hydrolysis to modulate the structure of RNA. RNA helicases participate in all biological processes that involve RNA, including transcription, splicing and translation.

Application Notes

Optimal dilution of the DDX41 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human DDX41 protein was used as the immunogen for the DDX41 antibody.

Storage

Aliquot the DDX41 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.