

DDX41 Antibody

Mouse Monoclonal Antibody [Clone PCRP-DDX41-1B4]

Catalog No	Format	Size
51428-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
51428-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
51428-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

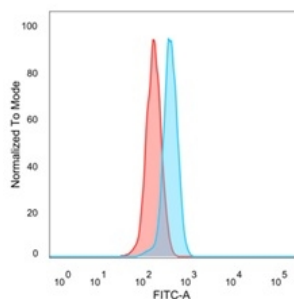
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

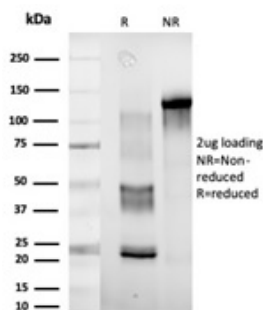
Clone	PCR-P-DDX41-1B4
Gene Name	DDX41
Immunogen	Recombinant full-length human DDX41 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	69.84kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa or MCF-7 cells.

*Optimal dilution for a specific application should be determined.

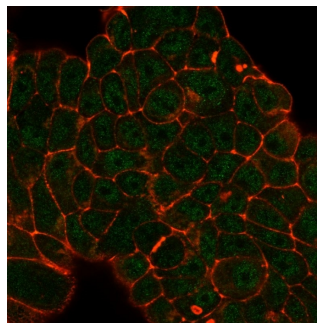
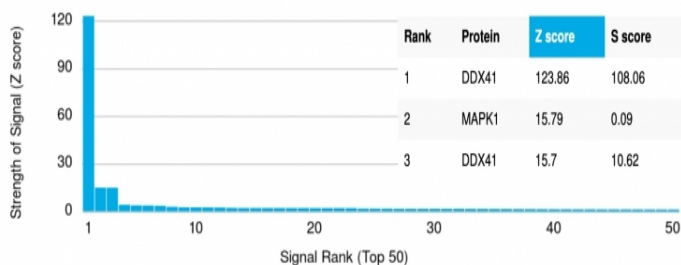
Product Images for DDX41 Antibody



Flow cytometric analysis of PFA-fixed HeLa cells. DDX41 Mouse Monoclonal Antibody (PCR-P-DDX41-1B4) followed by goat anti-mouse IgG-CF488 (blue), unstained cells (red).



SDS-PAGE Analysis of Purified DDX41 Mouse Monoclonal Antibody (PCR-P-DDX41-1B4). Confirmation of Purity and Integrity of Antibody.



Immunofluorescent analysis of PFA-fixed MCF-7 cells. DDX41 Mouse Monoclonal Antibody (PCRP-DDX41-1B4) followed by goat anti-mouse IgG-CF488 (green); counterstain is phalloidin (red).

Analysis of Protein Array containing more than 19,000 full-length human proteins using DDX41 Mouse Monoclonal Antibody (PCRP-DDX41-1B4). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

Specificity & Comments

DDX41 (Probable ATP-dependent RNA helicase DDX41, DEAD box protein abstract 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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immunology