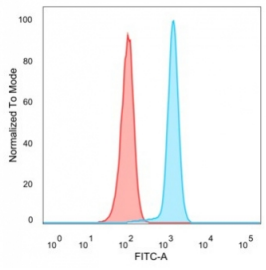
CDC5L Antibody / Cell division cycle 5-like protein [clone PCRP-CDC5L-2C6] (V5121)

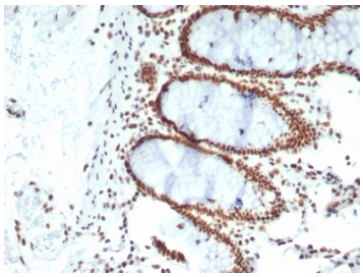
Catalog No.	Formulation	Size
V5121-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5121-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5121SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	PCRP-CDC5L-2C6
Purity	Protein A/G affinity
UniProt	Q99459
Localization	Nucleus, Cytoplasm
Applications	Flow Cytometry : 1-2ug/million cells Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This CDC5L antibody is available for research use only.



Flow cytometry testing of human HeLa cells with CDC5L antibody (clone PCRP-CDC5L-2C6) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



IHC staining of FFPE human colon carcinoma tissue with CDC5L antibody (clone PCRP-CDC5L-2C6). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using CDC5L antibody (clone PCRP-CDC5L-2C6) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (in combination with a fluorescently-tagged anti-IgG secondary antibody) 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 targets on 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-score. S-score therefore represents the relative target specificity of a mAb to its intended target. A mAb is considered to 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.

Description

Cdc5L (cell division cycle 5-like protein, pombe Cdc5-related protein) is a DNA-binding protein encoded by the human gene CDC5L. Cdc5L contains two HTH Myb-type DNA-binding domains and may shuttle between cytoplasm and nucleus. It is involved in cell cycle control and may act as a transcription activator. Cdc5L is a spliceosomal protein that is highly conserved across species. It belongs to the group of proteins that comprise the core of spliceosomal complexes and are essential for pre-mRNA splicing. Cdc5L is involved in the second catalytic step of pre-mRNA splicing, which involves cleavage at the 3' splice site and the ligation of the exons. This process releases the intact intron lariat. A chromosomal aberration involving Cdc5L is found in multicystic renal dysplasia. This aberration is caused by a translocation (t 6;19,p21;q13.1) with USF-2.

Application Notes

Optimal dilution of the CDC5L antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 1-148) from the human protein was used as the immunogen for the CDC5L antibody.

Storage

Aliquot the CDC5L antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.