

FANCL Antibody(C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19508b**Specification**

FANCL Antibody(C-term) - Product Information

Application	WB,E
Primary Accession	O9NW38
Other Accession	NP_001108108.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	42905
Antigen Region	274-302

FANCL Antibody(C-term) - Additional Information**Gene ID** 55120**Other Names**

E3 ubiquitin-protein ligase FANCL, 632-, Fanconi anemia group L protein, Fanconi anemia-associated polypeptide of 43 kDa, FAAP43, FANCL, PHF9

Target/Specificity

This FANCL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 274-302 amino acids from the C-terminal region of human FANCL.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FANCL Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FANCL Antibody(C-term) - Protein Information**Name** FANCL

Synonyms PHF9

Function Ubiquitin ligase protein that mediates monoubiquitination of FANCD2 in the presence of UBE2T, a key step in the DNA damage pathway (PubMed:[12973351](#), PubMed:[16916645](#), PubMed:[17938197](#), PubMed:[19111657](#), PubMed:[24389026](#)). Also mediates monoubiquitination of FANCI (PubMed:[19589784](#)). May stimulate the ubiquitin release from UBE2W. May be required for proper primordial germ cell proliferation in the embryonic stage, whereas it is probably not needed for spermatogonial proliferation after birth.

Cellular Location

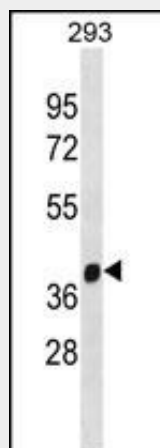
Cytoplasm {ECO:0000250|UniProtKB:Q9CR14}. Nucleus {ECO:0000250|UniProtKB:Q9CR14}

FANCL Antibody(C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FANCL Antibody(C-term) - Images



FANCL Antibody (C-term) (Cat. #AP19508b) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the FANCL antibody detected the FANCL protein (arrow).

FANCL Antibody(C-term) - Background

The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, FANCI, FANCI (also called BRIP1), FANCL, FANCM and FANCN (also called PALB2). The previously defined group FANCH is the same as FANCA. Fanconi anemia is a genetically heterogeneous recessive disorder characterized by cytogenetic instability, hypersensitivity to DNA crosslinking agents, increased chromosomal breakage, and defective DNA repair. The members of the Fanconi

anemia complementation group do not share sequence similarity; they are related by their assembly into a common nuclear protein complex. This gene encodes the protein for complementation group L. Alternative splicing results in two transcript variants encoding different isoforms.

FANCL Antibody(C-term) - References

Zhang, J., et al. J. Clin. Invest. 120(5):1524-1534(2010)
Garcia, M.J., et al. Carcinogenesis 30(11):1898-1902(2009)
McWilliams, R.R., et al. Cancer Epidemiol. Biomarkers Prev. 18(9):2549-2552(2009)
Longerich, S., et al. J. Biol. Chem. 284(35):23182-23186(2009)
Hess, C.J., et al. Cell. Oncol. 30(4):299-306(2008)