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FANCL Antibody(C-term) Blocking peptide

Synthetic peptide
Catalog # BP19508b

Specification

FANCL Antibody(C-term) Blocking peptide - Product Information

Primary Accession Q9NW38

FANCL Antibody(C-term) Blocking peptide - 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FANCL Antibody(C-term) Blocking peptide - 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}

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FANCL Antibody(C-term) Blocking peptide - Protocols

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

- Blocking Peptides

FANCL Antibody(C-term) Blocking peptide - Images

FANCL Antibody(C-term) Blocking peptide - Background

The Fanconi anemia complementation group (FANC) currentlyincludes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2,FANCE, FANCF, FANCG, FANCI, FANCJ (also called BRIP1), FANCL, FANCMand FANCN (also called PALB2). The previously defined group FANCHis the same as FANCA. Fanconi anemia is a genetically heterogeneousrecessive disorder characterized by cytogenetic instability,hypersensitivity to DNA crosslinking agents, increased chromosomalbreakage, and defective DNA repair. The members of the Fanconianemia complementation group do not share sequence similarity; theyare related by their assembly into a common nuclear proteincomplex. This gene encodes the protein for complementation group L.Alternative splicing results in two transcript variants encodingdifferent isoforms.

FANCL Antibody(C-term) Blocking peptide - 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)