

FANCL Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3246a**Specification**

FANCL Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	Q9NW38
Other Accession	NP_001108108.1 , NP_060532.2 , 55120 , 67030 (mouse), 305600 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	42905

FANCL Antibody (internal region) - Additional Information**Gene ID** 55120**Other Names**

E3 ubiquitin-protein ligase FANCL, 6.3.2.-, Fanconi anemia group L protein, Fanconi anemia-associated polypeptide of 43 kDa, FAAP43, FANCL, PHF9

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FANCL Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

FANCL Antibody (internal region) - 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.

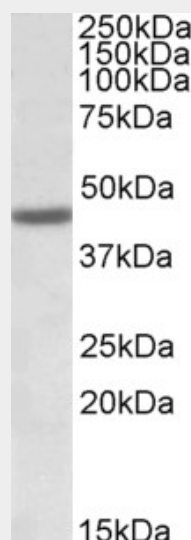
Cellular Location

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

FANCL Antibody (internal region) - 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 (internal region) - Images

AF3246a (1 µg/ml) staining of Human Bone Marrow lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

FANCL Antibody (internal region) - Background

This antibody is expected to recognize both isoforms (NP_001108108.1; NP_060532.2).

FANCL Antibody (internal region) - References

Mutational analysis of FANCL, FANCM and the recently identified FANCI suggests that among the 13 known Fanconi Anemia genes, only FANCD1/BRCA2 plays a major role in high-risk breast cancer predisposition. García MJ, Fernández V, Osorio A, Barroso A, Fernández F, Urioste M, Benítez J. Carcinogenesis 2009 Nov 30 (11): 1898-902. PMID: 19737859