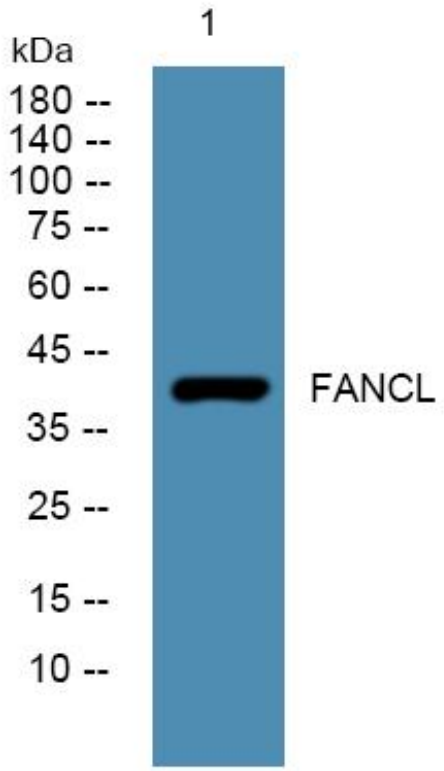
FANCL Monoclonal Antibody

Catalog No	BYmab-05549
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	FANCL PHF9
Protein Name	E3 ubiquitin-protein ligase FANCL (EC 6.3.2.-) (Fanconi anemia group L protein) (Fanconi anemia-associated polypeptide of 43 kDa) (FAAP43)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	FANCL Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	41kD
Cell Pathway	Cytoplasm. Nucleus.
Tissue Specificity	Brain,Eye,Teratocarcinoma,
Function	caution:Although PubMed:12724401 reports that it contains a PHD-type zinc finger, it contains a RING-type zinc finger. Moreover, PHD-type zinc fingers do not have any ubiquitin ligase activity.,disease:Defects in FANCL are a cause of Fanconi anemia (FA) [MIM:227650]. FA is a genetically heterogeneous, autosomal recessive disorder characterized by progressive pancytopenia, a diverse assortment of congenital malformations, and a predisposition to the development of malignancies. At the cellular level it is associated with hypersensitivity to DNA-damaging agents, chromosomal instability (increased chromosome breakage), and defective DNA repair.,function:Ubiquitin ligase protein that mediates ubiquitination of FANCD2, a key step in the DNA damage pathway. May be required for proper primordial germ cell proliferation in the embryonic stage, whereas it is probably not needed for spermatogonial

Background	The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, FANCI, FANCJ (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. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using FANCL Monoclonal Antibody