

Product Name: FANCD2 (16Q3) Rabbit Monoclonal Antibody
Catalog #: AMRe10826



Summary

Production Name	FANCD2 (16Q3) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	FANCD2 FA D2; FA4; FAC D2; FACD 2; FACD; FACD2; FAD; FAD2; FANCD 2; FANCD; FANCD2;
Alternative Names	Fanconi anemia group D2 protein; FLJ23826; Protein FACD2; Type 4 Fanconi pancytopenia;
Gene ID	2177.0
SwissProt ID	Q9BXW9.

Application

Dilution Ratio	WB 1:1000-1:2000
Molecular Weight	164kDa

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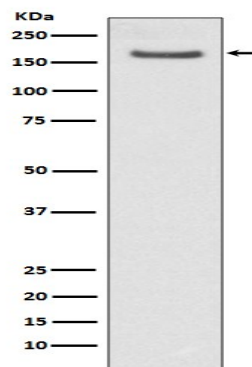


Background

Required for maintenance of chromosomal stability. Promotes accurate and efficient pairing of homologs during meiosis. Involved in the repair of DNA double-strand breaks, both by homologous recombination and single-strand annealing. Required for maintenance of chromosomal stability. Promotes accurate and efficient pairing of homologs during meiosis. Involved in the repair of DNA double-strand breaks, both by homologous recombination and single-strand annealing. May participate in S phase and G2 phase checkpoint activation upon DNA damage. Plays a role in preventing breakage and loss of missegregating chromatin at the end of cell division, particularly after replication stress. Required for the targeting, or stabilization, of BLM to non-centromeric abnormal structures induced by replicative stress. Promotes BRCA2/FANCD1 loading onto damaged chromatin. May also be involved in B-cell immunoglobulin isotype switching.

Research Area

Image Data



Western blot analysis of FANCD2 expression in HeLa cell lysate.

Note

For research use only.