Anti-FANCD2 (Fanconi anemia complementation group D2 isoform b) Polyclonal Antibody

Category: Polyclonal Antibody

Catalog#: AB1F056

Species Reactivity: Human, mouse

Immunogen/Specificity:
Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human FANCD2 (Fanconi anemia complementation group D2 isoform b)

Description: 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). 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 D2. This protein is monoubiquinated in response to DNA damage, resulting in its localization to nuclear foci with other proteins (BRCA1 AND BRCA2) involved in homology-directed DNA repair. Alternative splicing results in two transcript variants encoding different isoforms.

Reference:
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Chan,K.L., et al, Nat. Cell Biol. 11 (6), 753-760 (2009)
Garcia-Higuera,I., et al, Mol. Cell 7 (2), 249-262 (2001)
Timmers,C., et al, Mol. Cell 7 (2), 241-248 (2001)

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