



Anti-FANCG (Fanconi anemia group G protein) Phospho-Polyclonal Antibody

Category: Phospho-Polyclonal Antibody

Catalog #: Phospho-AB1F057(Phospho site: 383S)

Antigene Synonym: XRCC9 (DNA repair protein XRCC9)

Species Reactivity: Human,

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human FANCG (Fanconi anemia group G protein)

Description: DNA repair protein that may operate in a postreplication repair or a cell cycle checkpoint function. FANCG may be implicated in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability. FANCG is a candidate tumor suppressor gene. FANCG belongs to the multisubunit FA complex composed of FANCA, FANCB, FANCC, FANCE, FANCF, FANCG, FANCL/PHF9 and FANCM. The complex is not found in FA patients. The major form is nuclear. The minor form is cytoplasmic. Highly expressed in testis and thymus. Found in lymphoblasts. Defects in FANCG are a cause of Fanconi anemia (FA)

Reference:

Liu,N., et al, Proc. Natl. Acad. Sci. U.S.A. 94 (17), 9232-9237 (1997)
Garcia-Higuera,I.,et al, Mol. Cell. Biol. 19 (7), 4866-4873 (1999)
Meetei,A.R., et al, Mol. Cell. Biol. 23 (10), 3417-3426 (2003)
Meetei,A.R., et al, Nat. Genet. 36 (11), 1219-1224 (2004)
Demuth,I., et al, Eur. J. Hum. Genet. 8 (11), 861-868 (2000)
Sjoblom,T., et al, Science 314 (5797), 268-274 (2006)

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