

Product datasheet for AP09249PU-N

FANCF Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies Applications: ELISA, WB Recommended Dilution: ELISA: 1:15,000 - 1:60,000. Western blot: 1:1,000 - 1:5,000 (Expect a band approximately 42 kDa in size corresponding to FANCF in the appropriate human tissue). **Reactivity:** Chimpanzee, Human Host: Rabbit Isotype: lgG **Clonality:** Polyclonal Immunogen: Synthetic peptide corresponding to an internal amino acid sequence of human FANCF Specificity: This affinity purified antibody is directed against FANCF protein. 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide Formulation: State: Aff - Purified State: Liquid sterile filtered Ig fraction **Concentration:** lot specific **Purification:** Immunoaffinity chromatography **Conjugation:** Unconjugated Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid Storage: repeated freezing and thawing. Should this product contain a precipitate we recommend microcentrifugation before use. Stability: Shelf life: one year from despatch. Gene Name: Fanconi anemia complementation group F Database Link: Entrez Gene 2188 Human Q9NPI8



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

GRIGENE FANCF Rabbit Polyclonal Antibody – AP09249PU-N

Background:FANCF (also called Protein FACF or Fanconi Anemia Group F protein) is involved in DNA
repair, perhaps specifically with post-replication repair or a cell cycle checkpoint function.
FANCF has also been implicated in interstrand DNA cross-link repair and in the maintenance
of normal chromosome stability. FANCF belongs to the multi-subunit Fanconi Anemia (FA)
complex composed of FANCA, FANCB, FANCC, FANCE, FANCF, FANCG, FANCL/PHF9 and
FANCM. The complex is not found in FA patients. FANCF is found within the nucleus. Defects
in FANCF are a cause of Fanconi anemia (FA). FA is a genetically heterogeneous, autosomal
recessive disorder characterized by progressive pancytopaenia, 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.

Synonyms:

Fanconi anemia group F protein, FACF

Product images:



Western blot using anti-FANCF antibody shows detection of FANCF present in a lysate prepared from a Fanconi anemia complementation group F patient lymphoblast after retroviral correction using hFANCF cDNA (lanes 3 and 4). This band (indicated by arrowhead) is approximately 42.3 kDa in size. The band is not detected in FA-F a lymphoblast lysate that is not corrected for the deletion and does not express the FANCF protein (lanes 1 and 2). Lanes 2 and 4 represent lysates taken from lymphoblasts after 40 J/m2 UV irradiation, whereas lanes 1 and 3 received no irradiation. No apparent difference was noted upon irradiation. The strong band at ~60kDa appears to be non-specific. Personal communication, N. Howlett, University of Rhode Island, Kingston, RI.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US