FANCD2 Antibody

Rabbit Polyclonal
Antigen Affinity Purified

Catalog No. A302-174A
Lot No. A302-174A-1

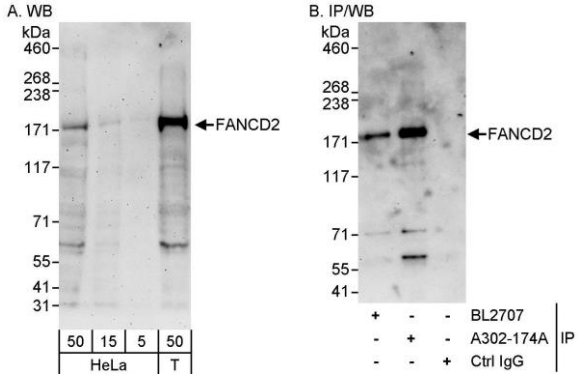
Protein ID NP_001018125.1
GeneID 2177

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Monkey and Gorilla
AMOUNT	100 µl
CONCENTRATION	200 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to FANCD2 immobilized on solid support. The epitope recognized by A302-174A maps to a region between residue 1401 and 1451 of human Fanconi anemia, complementation group D2 using the numbering given in entry NP_001018125.1 (GeneID 2177). Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.
APPLICATIONS	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

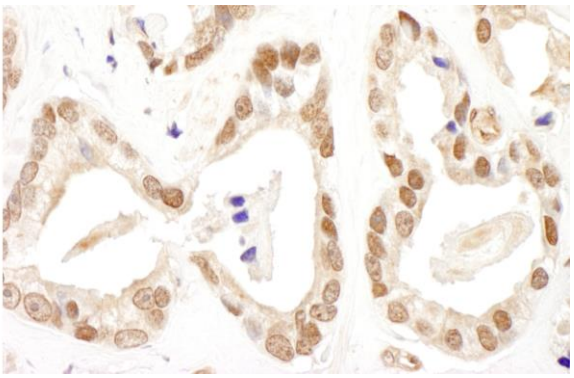
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	5 - 15 µg/mg lysate
Immunohistochemistry	1:100 - 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

APPLICATION NOTES	Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Prostate Carcinoma
ADDITIONAL INFO	https://www.bethyl.com/product/A302-174A Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



Detection of human FANCD2 by western blot and immunoprecipitation. *Samples:* Whole cell lysate from HeLa (5, 15 and 50 µg for WB) and HEK293T (T; 50 µg for WB; 1 mg for IP, 20% of IP loaded) cells. *Antibodies:* Affinity purified rabbit anti-FANCD2 antibody A302-174A used for WB at 0.04 µg/ml (A) and 1 µg/ml (B) and used for IP at 10 µg/mg lysate. FANCD2 was also immunoprecipitated by rabbit anti-FANCD2 antibody BL2707, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).



Detection of human FANCD2 by immunohistochemistry. *Sample:* FFPE section of human prostate carcinoma. *Antibody:* Affinity purified rabbit anti-FANCD2 (Cat. No. A302-174A) used at a dilution of 1:200 (1µg/ml). *Detection:* DAB