EB06112 - Goat Anti-FANCF Antibody
Size: 100µg specific antibody in 200µl

Target Protein
Principal Names: FANCF, Fanconi anemia, complementation group F, FAF
Official Symbol: FANCF
Accession Number(s): NP_073562
Human GeneID(s): 2188

Immunogen
Peptide with sequence C-RQVLGLSAGLSSV, from the C Terminus of the protein sequence according to NP_073562.

Please note the peptide is available for sale.

Purification and Storage
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested
Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: In transfected HEK293 transiently expressing full-length Human FANCF (myc and DYKDDDDK tagged), a band of approx. 40kDa was observed. No bands were observed in mock-transfected HEK293 and the same band was observed using anti-myc tag antibody. Recommended concentration, 0.1-0.5µg/ml.

Purchase the +ve control! The transfected lysate used to QC this product is available for sale. Please email sales@everestbiotech.com to request datasheet, pricing and delivery information.
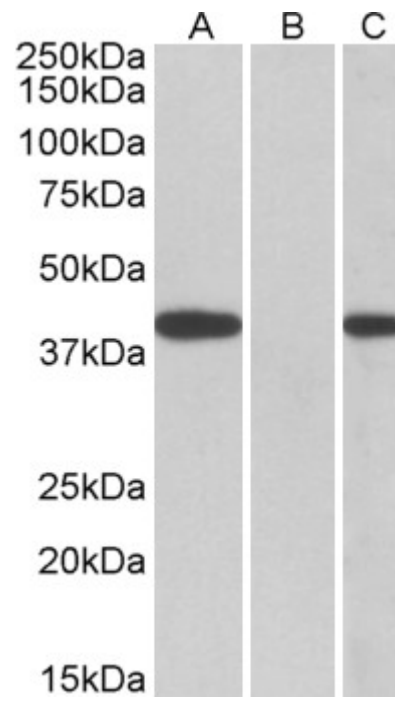
Species Reactivity
Tested: Human
Expected from sequence similarity: Human

Specific Reference
This antibody has been successfully used in the following paper:
Jia Zhou, Camille Gelot, Constantia Pantelidou, Adam Li, Hatice Yücel, Rachel E. Davis, Anniina Farkkila, Bose Kochupurakkal, Aleem Syed, Geoffrey I. Shapiro, John A. Tainer, Brian S. J. Blagg, Raphael Ceccaldi, and Alan D. D'Andrea
A first-in-class Polymerase Theta Inhibitor selectively targets Homologous-Recombination-Deficient Tumors.
Nat Cancer. 2021 Jun; 2(6): 598-610.
PMID: 34179826

HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human FANCF with C-terminal MYC tag probed with EB06112 (0.5ug/ml) in Lane A and probed with anti-MYC Tag (1/1000) in lane C. Mock-transfected HEK293 probed with EB06112 (1mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.