Product Datasheet

FANCG Antibody (2C8) - Azide and BSA Free
H00002189-M01

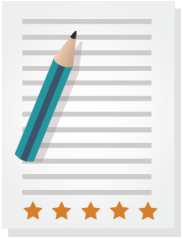
Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

Publications: 5

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00002189-M01

Updated 2/21/2025 v.20.1



H00002189-M01

FANCG Antibody (2C8) - Azide and BSA Free

Product Information

Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2C8
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

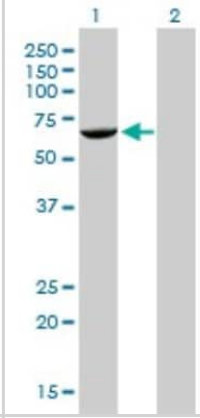
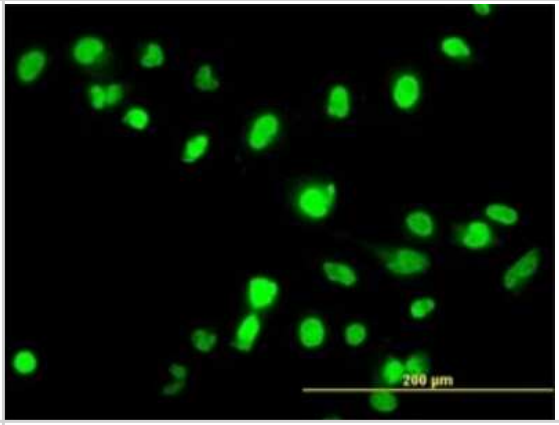
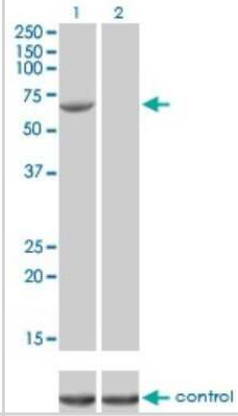
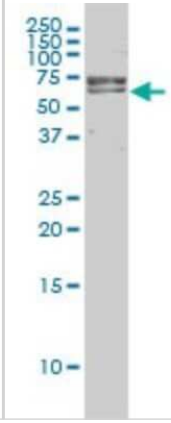
Product Description

Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	2189
Gene Symbol	FANCG
Species	Human
Specificity/Sensitivity	FANCG - Fanconi anemia, complementation group G
Immunogen	FANCG (AAH11623, 1 a.a. ~ 622 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MSRQTTSVGSSCLDLWREKNDRLVRQAKVAQNSGLTLRRQQLAQDALEGLR GLLHSLQGLPAAVPVLPLELTVTCNFIILRASLAQGFTEDQAQDIQRSLERVLET QEQQGPRLEQGLRELWDSVLRASCLLPELLSALHRLVGLQAALWLSADRLGDL ALLLETLNGSQSGASKDLLLLLKTWSPPAEELDAPLTLQDAQGLKDVLLTAFAY RQGLQELITGNPDKALSSLHEAASGLCPRPVLVQVYTALGSCHRKMGNPQRAL LYLVAALKEGSAWGPPLLEASRLYQQLGDTTAELESLELLVEALNVPCSSKAPQ FLIEVELLLPPPDLASPLHCGTQSQTKHILASRCLQTGRAGDAAEHYLDLLALLL DSSEPRFSPPPSPPGPCMPEVFLEAAVALIQAGRAQDALTLCEELLSRTSSLLP KMSRLWEDARKGTKELPYCPLWVSATHLLQGQAWVQLGAQKVAISEFSRCLE LLFRATPEEKEQGAAFNCEQGCKSDAALQQLRAAALISRGLEWVASGQDTKAL QDFLLSVQMCPGNRDTYFHLLQTLKRLDRRDEATALWWRLEAQTKGSHEDAL WSLPLYLESYLSWIRPSDRDAFLEEFRTSLPKSCDL
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

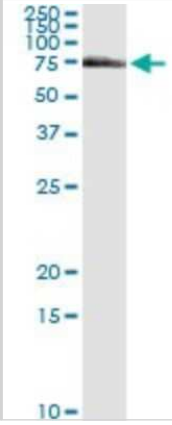
Product Application Details

Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:1000, Knockdown Validated
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF, RNAi Validation and ELISA.

Images

Western Blot: FANCG Antibody (2C8) [H00002189-M01] - Analysis of FANCG expression in transfected 293T cell line by FANCG monoclonal antibody (M01), clone 2C8.Lane 1: FANCG transfected lysate(68.6 KDa).Lane 2: Non-transfected lysate.	
Immunocytochemistry/Immunofluorescence: FANCG Antibody (2C8) [H00002189-M01] - Analysis of monoclonal antibody to FANCG on HeLa cell. Antibody concentration 10 ug/ml.	
Western Blot: FANCG Antibody (2C8) [H00002189-M01] - Analysis of FANCG over-expressed 293 cell line, cotransfected with FANCG Validated Chimera RNAi (Cat # H00002189-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with FANCG monoclonal antibody (M01), clone 2C8 (Cat # H00002189-M01). GAPDH (36.1 kDa) used as specificity and loading control.	
Western Blot: FANCG Antibody (2C8) [H00002189-M01] - FANCG monoclonal antibody (M01), clone 2C8 Analysis of FANCG expression in Hela S3 NE.	

Immunoprecipitation: FANCG Antibody (2C8) [H00002189-M01] - Analysis of FANCG transfected lysate using anti-FANCG monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with FANCG MaxPab rabbit polyclonal antibody.



Publications

Kulkarni AS, Fortunato EA. Stimulation of Homology-directed Repair at I-SceI-induced DNA breaks during the Permissive Life Cycle of Human Cytomegalovirus. J Virol. 2011-04-13 [PMID: 21490102]

Tsai YS, Lin CS, Chiang SL et al. Areca Nut Induces miR-23a and Inhibits Repair of DNA Double-Strand Breaks by Targeting FANCG. Toxicol Sci. 2011-07-12 [PMID: 21750350]

Zhu B, Yan K, Li L et al. K63-linked ubiquitination of FANCG is required for its association with the Rap80-BRCA1 complex to modulate homologous recombination repair of DNA interstand crosslinks. Oncogene. 2014-08-18 [PMID: 25132264]

Stejskal D, Karpisek M., et al. Adipocyte fatty acid binding protein in a Caucasian population: a new marker of metabolic syndrome? Eur J Clin Invest 2006-09-01 [PMID: 16919044]

Hinz JM, Nham PB, Yamada NA et al. Four human FANCG polymorphic variants show normal biological function in hamster CHO cells. Mutat Res;602(1-2):34-42. 2006-12-01 [PMID: 17010390]

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Products Related to H00002189-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00002189-P01-10ug	Recombinant Human FANCG GST (N-Term) Protein

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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