



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### FANCG monoclonal antibody (M01), clone 2C8

**Catalog Number:** H00002189-M01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant FANCG.

**Clone Name:** 2C8

**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.

**Sequence:**

MSRQTTSVGSSCLDLWREKNDRLVRQAKVAQNSGLT  
LRRQQLAQDALEGLRGLLHSLQGLPAAVPVLPLELTVT  
CNFIILRASLAQGFTEDQAQDIQRSLERVLETQEQQGP  
RLEQGLRELWDSVLRASCLLPELLSALHRLVGLQAAL  
WLSADRLGDLALLELTLNGSQSGASKDLLLLLKTWSP  
AEELDAPLTLQDAQGLKDVLLTAFAYRQGLQELITGNP  
DKALSSLHEAASGLCPRPVLVQVYTALGSCHRKMGNP  
QRALLYLVAALKEGSAWGPPLEASRLYQQLGDTTAE  
LESLELLVEALNVPCSSKAPQFLIEVELLLPPPDLASPL  
HCGTQSQTKHILASRCLQTGRAGDAAEHYLDLLALLLD  
SSEPRFSPPPSPPGPCMPEVFLEAAVALIQAGRAQDA  
LTLCEELLSRTSSLLPKMSRLWEDARKGTKELPYCPL  
WVSATHLLQGQAWVQLGAQKVAISEFSRCLLELFRAT  
PEEKEQGAAFNCEQGCKSDAALQQLRAAALISRGLEW  
VASGQDTKALQDFLLSVQMCPGNRDYFHLQTLKRL  
DRRDEATALWWRLEAQTKGSHEDALWSLPLYLESYL  
SWIRPSDRDAFLEEFRTSLPKSCDL

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IF, IP, RNAi-Ab, WB-Ce, WB-Re, WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2a kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 2189

**Gene Symbol:** FANCG

**Gene Alias:** FAG, XRCC9

**Gene Summary:** The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, FANCI, FANCI (also called BRIP1), FANCL, FANCM and FANCN (also called PALB2). The previously defined group FANCH is the same as FANCA. Fanconi anemia is a genetically heterogeneous recessive disorder characterized by cytogenetic instability, hypersensitivity to DNA crosslinking agents, increased chromosomal breakage, and defective DNA repair. The members of the Fanconi anemia complementation group do not share sequence similarity; they are related by their assembly into a common nuclear protein complex. This gene encodes the protein for complementation group G. [provided by RefSeq]

**References:**

1. Areca Nut Induces miR-23a and Inhibits Repair of DNA Double-Strand Breaks by Targeting FANCG. Tsai YS, Lin CS, Chiang SL, Lee CH, Lee KW, Ko YC. Toxicol Sci. 2011 Oct;123(2):480-90. Epub 2011 Jul 12.
2. Stimulation of Homology-directed Repair at I-SceI-induced DNA breaks during the Permissive Life Cycle of Human Cytomegalovirus. Kulkarni AS, Fortunato EA. J Virol. 2011 Apr 13. [Epub ahead of print]
3. Four human FANCG polymorphic variants show normal biological function in hamster CHO cells. Hinz JM, Nham PB, Yamada NA, Tebbs RS, Salazar EP, Hinz AK, Mohrenweiser HW, Jones IM, Thompson LH. Mutat Res. 2006 Dec 1;602(1-2):34-42. Epub 2006 Sep 28.