antibodies.com

Datasheet for ABIN129607 anti-FANCG antibody (AA 1-12)

2 Images



Overview

Quantity:	100 µg
Target:	FANCG
Binding Specificity:	AA 1-12
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FANCG antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 1-12 of human FANCG protein.	
lsotype:	lgG	
Cross-Reactivity:	Chimpanzee	
Characteristics:	Concentration Definition: by UV absorbance at 280 nm	
Target Details		
Target:	FANCG	

Alternative Name: FANCG (FANCG Products)			
	Alternative Name:	FANCG (FANCG Products)	

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN129607 | 09/12/2023 | Copyright antibodies-online. All rights reserved.

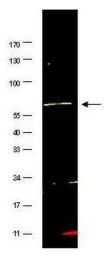
Target Details

Background:	FANCG (also called Protein FACG or DNA-repair protein XRCC9) is involved in DNA repair,
	perhaps specifically with post-replication repair or a cell cycle checkpoint function. FANCG may
	also be implicated in interstrand DNA cross-link repair and in the maintenance of normal
	chromosome stability. This protein may also function as a tumor suppressor gene. FANCG
	belongs to the multi-subunit Fanconi Anemia (FA) complex composed of FANCA, FANCB,
	FANCC, FANCE, FANCF, FANCG, FANCL/PHF9 and FANCM. FANCG contains a 5-prime GC-rich
	untranslated region characteristic of housekeeping genes. The putative 622-amino acid protein
	has a leucine-zipper motif at its N-terminus. FANCG is mainly found within the nucleus although
	some protein is localized in the cytoplasm. This protein is highly expressed in testis and
	thymus and is also found in lymphoblasts. Fanconi anemia is an
	Synonyms: DNA repair protein XRCC9 antibody, DNA-repair protein XRCC9 antibody, FAG
	antibody, Fanconi anaemia complementation group G antibody, Protein FACG antibody
Gene ID:	2189, 4759336
UniProt:	015287
Pathways:	DNA Damage Repair

Application Details

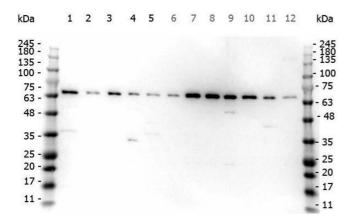
Application Notes:	This affinity purified antibody has been tested for use in ELISA, immunohistochemistry and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 69 kDa in size corresponding to FANCG by western blotting in the appropriate human tissue.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.93 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN129607 | 09/12/2023 | Copyright antibodies-online. All rights reserved. Images



Western Blotting

Image 1. Western blot using affinity purified anti-FANCG antibody shows detection of a band at ~69 kDa (arrowhead) corresponding to FANCG present in a HeLa whole cell lysate. Approximately 35 ug of lysate was separated by 4-20% Tris Glycine SDS-PAGE. After blocking, the membrane was probed overnight at 4°C with the primary antibody diluted to 1:500. The membrane was washed and reacted with a 1:10,000 dilution of800 conjugated Gt-a-Rabbit IgG [H&L] for 45 min at room temperature (800 nm channel, green). Molecular weight estimation was made by comparison to prestained MW markers (indicated at left). IRDye800 fluorescence image was captured using the Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.



Western Blotting

Image 2. Western Blot of Rabbit anti-FANCG antibody. Marker: Opal Pre-stained ladder . Lane 1: HEK293 lysate . Lane 2: HeLa Lysate . Lane 3: MCF-7 Lysate . Lane 4: Jurkat Lysate . Lane 5: A431 Lysate . Lane 6: A549 Lysate . Lane 7: LNCap Lysate . Lane 8: MOLT-4 Lysate . Lane 9: Ramos Lysate . Lane 10: Raji Lsyate . Lane 11: A-172 Lysate . Lane 12: NIH/3T3 Lysate . Load: 10 µg per lane. Primary antibody: FANCG antibody at 1:1,000 overnight at 4C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:30,000 for 60 min at RT. Blocking Buffer: 1% Casein-TTBS for 30 min at RT. Predicted/Observed size: 69 kDa for FANCG.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN129607 | 09/12/2023 | Copyright antibodies-online. All rights reserved.