Datasheet for ABIN2854743

anti-FANCC antibody (Center)

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Overview

Quantity:	100 µL
Target:	FANCC
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FANCC antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human FANCC. The exact sequence is proprietary.
Isotype:	IgG
Characteristics:	Rabbit Polyclonal antibody to FANCC (Fanconi anemia, complementation group C) FANCC antibody [N1C1]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	FANCC
Alternative Name:	FANCC (FANCC Products)

Target Details

Background:	The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, FANCI, FANCJ (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 C. Cellular Localization: Nucleus , Cytoplasm
Molecular Weight:	63 kDa
Gene ID:	2176
Pathways:	DNA Damage Repair

Application Details

Application Notes:	Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: 293T , A431 , HeLa , HepG2 , NIH-3T3
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.989 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

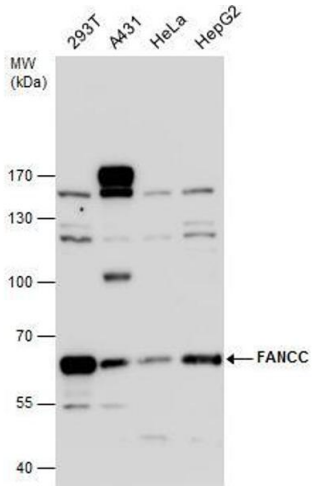
Handling

Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

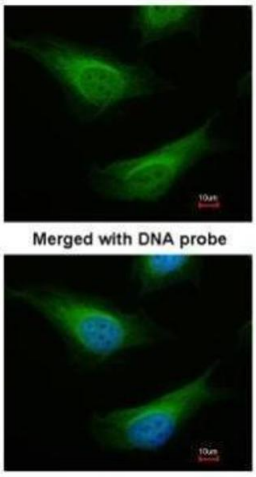
Product cited in:	Chen, Lin, Chen, Cheng, Cheng, Imai et al.: "Effect of prednisolone on glyoxalase 1 in an inbred mouse model of aristolochic acid nephropathy using a proteomics method with fluorogenic derivatization-liquid chromatography-tandem mass ..." in: **PLoS ONE**, Vol. 15, Issue 1, pp. e0227838, (2020) (PubMed). Dawson, Biggar, Storey: "Characterization of fructose-1,6-bisphosphate aldolase during anoxia in the tolerant turtle, Trachemys scripta elegans: an assessment of enzyme activity, expression and structure." in: **PLoS ONE**, Vol. 8, Issue 7, pp. e68830, (2014) (PubMed).

Images



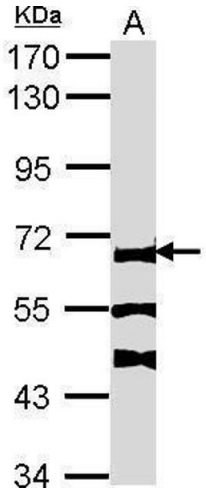
Western Blotting

Image 1. WB Image FANCC antibody detects FANCC protein by western blot analysis. Various whole cell extracts (30 µg) were separated by 7.5 % SDS-PAGE, and blotted with FANCC antibody , diluted by 1:1000



Immunofluorescence

Image 2. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using FANCC, antibody at 1:200 dilution.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: NIH-3T3 7.5% SDS PAGE FANCC antibody antibody diluted at 1:1000

Please check the product details page for more images. Overall 4 images are available for ABIN2854743.