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Datasheet

Date : 2014/7/17

Catalog Number	GTX100400 Package:25 µl,100 µl Proclin Reference (1)
Product Name	FANCC antibody [N1C1]
Full Name	Fanconi anemia, complementation group C
Synonyms	FA3 antibody, FAC antibody, FACC antibody, FLJ14675 antibody, FANCC antibody, Fanconi anemia group C protein antibody, "Fanconi anemia, complementation group C antibody"
Product Description	Rabbit Polyclonal antibody to FANCC (Fanconi anemia, complementation group C)
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. [provided by RefSeq]
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 305 of FANCC (Uniprot ID#Q00597)
Antigen Species	Human
Species Reactivity	Human, Mouse
Applications	ICC/IF, IHC-P, WB

Application Note

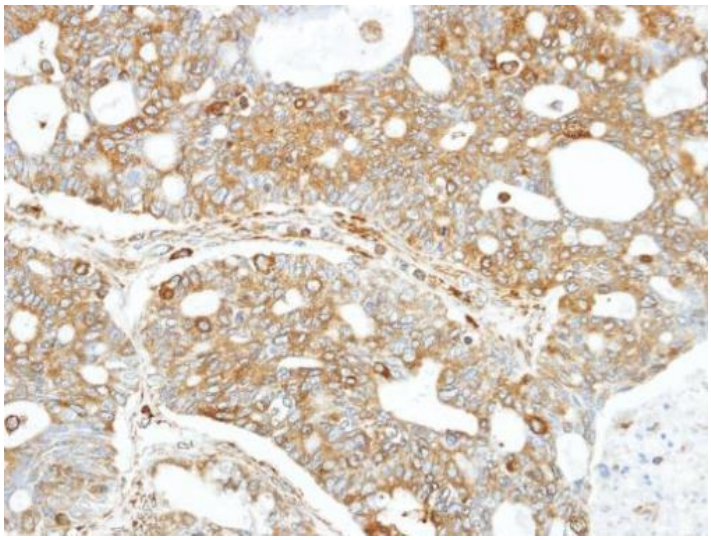
	Suggested dilution	Protocol	Reference
ICC/IF	1:100-1:1000*		
IHC (Formalin-fixed paraffin-embedded sections)	1:100-1:1000*		
Western blot	1:500-1:3000*		

Not tested in other applications.
*Optimal dilutions/concentrations should be determined by the researcher.

Positive Controls	293T , A431 , HeLa , HepG2 , NIH-3T3
Predicted Target Size	63 kDa
Cellular Localization	Nucleus , Cytoplasm
Form Supplied	Liquid
Purification	Purified by antigen-affinity chromatography.
Concentration	1 mg/ml
Storage Buffer	1XPBS, 20% Glycerol (pH7). 0.025% proclin was added as a preservative.
Storage Instruction	Keep as concentrated solution. Aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Notes	For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.
ResearchArea	Cancer > Type of cancer > Breast > Other Cancer > Type of cancer > Ovarian Cancer > Type of cancer > Pancreatic

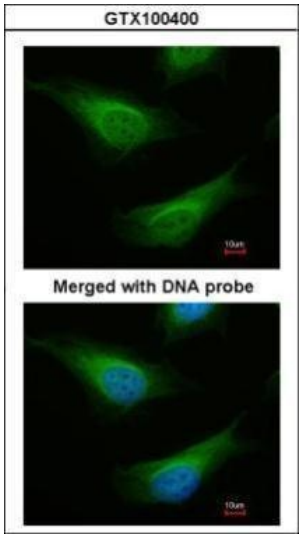
Application Reference

1. Wang SC (2014) *J Agric Food Chem*



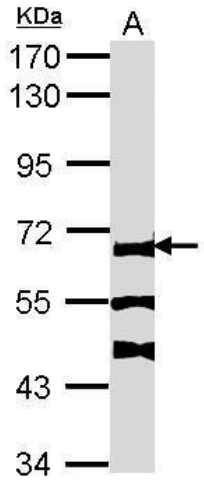
GTX100400_39721_IHC.jpg

Immunohistochemical analysis of paraffin-embedded OVCA xenograft, using FANCC(GTX100400) antibody at 1:100 dilution.



GTX100400_IFA.jpg

Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using FANCC(GTX100400) antibody at 1:200 dilution.



GTX100400_WB_M.jpg

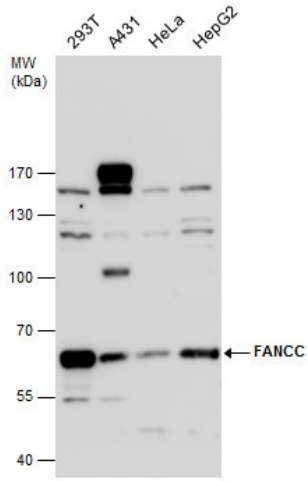
Sample (30 ug of whole cell lysate)

A: NIH-3T3

7.5% SDS PAGE

FANCC antibody

GTX100400 diluted at 1:1000



GTX100400 FANCC antibody 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 (GTX100400) diluted by 1:1000