



[Go to Product page](#)

Datasheet for ABIN5002445

anti-FANCA antibody (AA 461-560) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	FANCA
Binding Specificity:	AA 461-560
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FANCA antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FANCA
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	FANCA
Alternative Name:	FANCA (FANCA Products)

Target Details

Background: Synonyms: FA 1, FA, FA H, FA1, FAA, FACA, FAH, Fanca, FANCA_HUMAN, FANCH, Fanconi anemia complementation group A, Fanconi anemia complementation group H, Fanconi anemia group A protein, Fanconi anemia type 1, MGC75158, Protein FACA.

Background: Fanconi anemia (FA) is an autosomal recessive disorder characterized by bone marrow failure, birth defects and chromosomal instability. At the cellular level, FA is characterized by spontaneous chromosomal breakage and a unique hypersensitivity to DNA cross-linking agents. At least eight complementation groups (A-G) have been identified and six FA genes (for subtypes A, C, D2, E, F and G) have been cloned. The FA proteins lack sequence homologies or motifs that could point to a molecular function. The cellular accumulation of FA proteins, including FANCA and FANCG, is subject to regulation by TNF alpha signaling. Phosphorylation of FANCA (Fanconi anemia complementation group) proteins is thought to be important for the function of the FA pathway. FANCA, also known as FACA and FANCH, associates with the Brm-related gene 1 (BRG1) product, a subunit of the SWI/SNF complex which remodels chromatin structure through a DNA-dependent ATPase activity. FANCA is mainly expressed in lymphoid tissues, testis and ovary. The amino-terminal region of the FANCA protein is required for FANCG binding, FANCC binding, nuclear localization and functional activity of the complex. The human FANCA gene maps to chromosome 16q24.3 and encodes a 1,455 amino acid protein.

Gene ID: 2175

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months