

Anti-Human FANCA (RABBIT) Antibody
FANCA Antibody
Catalog # ASR5263

Specification

Anti-Human FANCA (RABBIT) Antibody - Product Information

Host	Rabbit
Conjugate	Unconjugated
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB, E, I, LCI
Application Note	This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a main band at approximately 163 kDa in size corresponding to FANCA by western blotting in the appropriate cell lysate or extract or human tissue.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 995-1009 of human FANCA protein.
Preservative	0.01% (w/v) Sodium Azide

Anti-Human FANCA (RABBIT) Antibody - Additional Information

Gene ID 2175

Other Names
2175

Purity

This affinity-purified antibody is directed against human FANCA protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross reactivity with FANCA protein from human and chimpanzee based on 100% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.

Storage Condition

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-Human FANCA (RABBIT) Antibody - Protein Information

Name FANCA

Synonyms FAA, FACA, FANCH

Function

DNA repair protein that may operate in a postreplication repair or a cell cycle checkpoint function. May be involved in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability.

Cellular Location

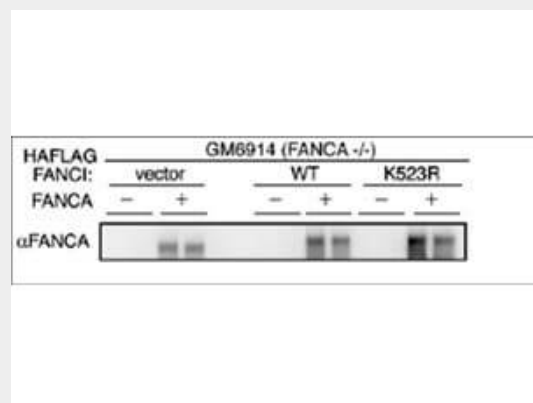
Nucleus. Cytoplasm. Note=The major form is nuclear. The minor form is cytoplasmic

Anti-Human FANCA (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Human FANCA (RABBIT) Antibody - Images



Western blot using Rockland's affinity purified anti-FANCA antibody shows detection of FANCA only in FANCA transfected GM6914 cell lysates. No staining is seen in lysates prepared from FANCA (-/-) cells in the absence of FANCA transfection. Modified from Smogorzewska et al (2007) Cell 129, 289-301.

Anti-Human FANCA (RABBIT) Antibody - Background

FANCA (also called Protein FACA or Fanconi anemia group A protein) is involved in DNA repair, perhaps specifically with post-replication repair or a cell cycle checkpoint function. FANCA may also be implicated in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability. The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, and FANCL. 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 A. Diseases associated with FANCA include Fanconi anemia complementation group a and Congenital Hypoplastic Anemia.