

## Product datasheet for **TA319302**

### FANCA Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:15,000 - 1:60,000, WB: 1:500 - 1:3,000
Reactivity:	Human, Chimpanzee
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
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.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	Fanconi anemia complementation group A
Database Link:	<a href="#">NP_000126</a> <a href="#">Entrez Gene 2175 Human</a> <a href="#">O15360</a>
Synonyms:	FA; FA-H; FA1; FAA; FACA; FAH; FANCH

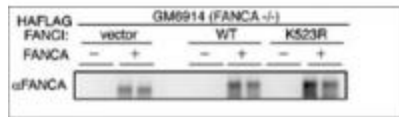


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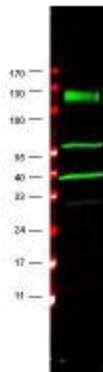
**Note:** FANCA (also called Protein FACA or Fanconi anemia group A protein) is involved in DNA repair, perhaps specifically with post-replication repair or a cell cycle checkpoint function. FANCA may also be implicated in interstrand DNA cross-link repair and in the maintenance of normal chromosome 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

**Protein Families:** Druggable Genome

**Product images:**



Western blot using 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.



WB using Anti-FANCA antibody shows detection of a band at ~133 kDa (arrowhead) corresponding to FANCA in HeLa whole cell lysates. The identity of the lower molecular weight bands is unknown but may represent breakdown products. Primary antibody was used at a 1:1,500 dilution. Molecular weight estimation was made by comparison to prestained MW markers indicated at left (700 nm channel, red).