

Rabbit FANCA Polyclonal Antibody | anti-FANCA antibody

Phospho-FANCA (Ser1449) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328292	Rabbit	Human, Mouse, RatPredicted: Bovine, Horse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

FANCA; Polyclonal Antibody; Phospho-FANCA (Ser1449) Antibody; 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; anti-FANCA antibody

PRODUCT SPECIFICATIONS

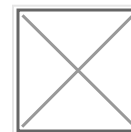
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Bovine, Horse
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-FANCA (Ser1449) Antibody detects endogenous levels of FANCA only when phosphorylated at Ser1449.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1455
Applicable Applications for anti-FANCA antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FANCA around the phosphorylation site of Ser1449.
Subcellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Phospho-FANCA (Ser1449) in lysates of HELA cells treated with IGF 100ng/ml for 10', using Phospho-FANCA (Ser1449) Antibody.



IHC (Immunohistochemistry)

At 1/100 staining mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IHC (Immunohistochemistry)

At 1/100 staining rat heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining human heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-FANCA antibody

Description: 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.

Post Translational Modifications: Phosphorylation is required for the formation of the nuclear complex. Not phosphorylated in cells derived from groups A, B, C, E, F, G, and H.

Subunit Structure: Belongs to the multisubunit FA complex composed of FANCA, FANCB, FANCC, FANCE, FANCF, FANCG, FANCL/PHF9 and FANCM. The complex is not found in FA patients. In complex with FANCF, FANCG and FANCL, but not with FANCC, nor FANCE, interacts with HES1; this interaction may be essential for the stability and nuclear localization of FA core complex proteins. The complex with FANCC and FANCG may also include EIF2AK2 and HSP70. Interacts with FAAP20/C1orf86; interaction is direct.

NCBI AND UNIPROT INFORMATION

NCBI GI #	66880553
NCBI GeneID	2175
NCBI Accession #	NP_000126.2
NCBI GenBank Nucleotide #	NP_000126.2
UniProt Accession #	O15360
Molecular Weight	Observed: 162 kDa Predicted: 163 kDa
NCBI Official Full Name	Fanconi anemia group A protein isoform a
NCBI Official Synonym Full Names	FA complementation group A
NCBI Official Symbol	FANCA
NCBI Official Synonym Symbols	FA; FA1; FAA; FAH; FA-H; FACA; FANCH
NCBI Protein Information	Fanconi anemia group A protein
UniProt Protein Name	Fanconi anemia group A protein
UniProt Gene Name	FANCA
UniProt Synonym Gene Names	FAA; FACA; FANCH; Protein FACA
UniProt Entry Name	FANCA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fanca-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328292>