

Anti-FANCA (Phospho-S1149) Antibody

Catalog # AP51652

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O15360
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	162775

Additional Information

Gene ID	2175
Other Names	FAA; FACA; FANCH; Fanconi anemia group A protein; Protein FACA
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S1149 of human FANCA protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

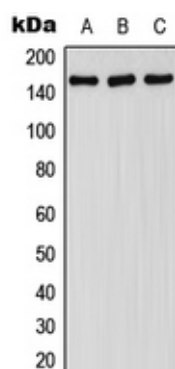
Name	FANCA
Synonyms	FAA, FACA, FANCH
Function	DNA repair protein that may operate in a postreplication repair or a cell cycle checkpoint function. May be involved in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability.
Cellular Location	Nucleus. Cytoplasm. Note=The major form is nuclear. The minor form is cytoplasmic

References

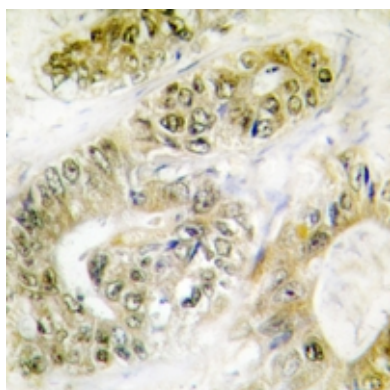
Lo Ten Foe J.R.,et al.Nat. Genet. 14:320-323(1996).
Ianzano L.,et al.Genomics 41:309-314(1997).

Ricke D.O.,et al.Submitted (AUG-1998) to the EMBL/GenBank/DDBJ databases.
Martin J.,et al.Nature 432:988-994(2004).
Centra M.,et al.Genomics 51:463-467(1998).

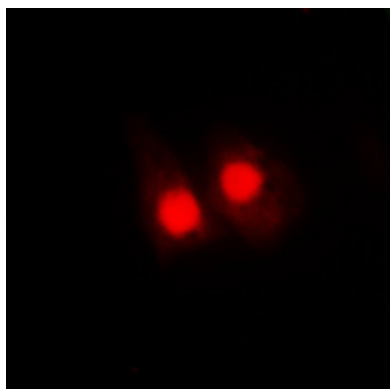
Images



Western blot analysis of FANCA (Phospho-S1149) expression in HepG2 EGF-treated (A), SP2/0 EGF-treated (B), H9C2 EGF-treated (C) whole cell lysates. (Predicted band size: 162 kD; Observed band size: 163 kD)



Immunohistochemical analysis of FANCA (Phospho-S1149) staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of FANCA (Phospho-S1149) staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.