FANCA (phospho Ser1149) rabbit pAb

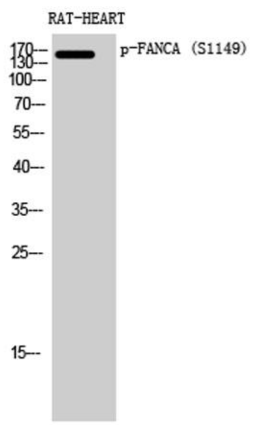
Cat No.:ES5193

For research use only

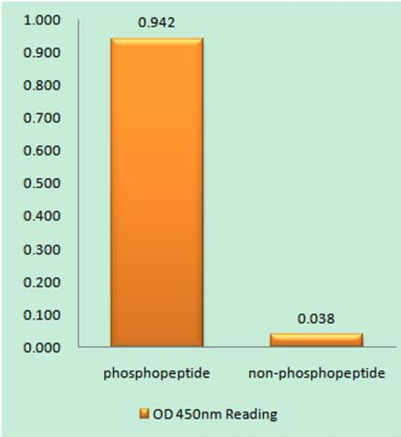
Overview

Product Name	FANCA (phospho Ser1149) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human FANCA around the phosphorylation site of Ser1149. AA range:1121-1170
Specificity	Phospho-FANCA (S1149) Polyclonal Antibody detects endogenous levels of FANCA protein only when phosphorylated at S1149.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Fanconi anemia group A protein
Gene Name	FANCA
Cellular localization	Nucleus. Cytoplasm. The major form is nuclear. The minor form is cytoplasmic.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	162kD
Human Gene ID	2175
Human Swiss-Prot Number	O15360
Alternative Names	FANCA; FAA; FACA; FANCH; Fanconi anemia group A protein; Protein FACA
Background	The Fanconi anemia complementation group (FANC)

currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, FANCI, FANCJ (also called BRIP1), FANCL, FANCM and FANCN (also called PALB2). 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. Alternative splicing results in multiple transcript variants encoding different isoforms. Mutations in this gene are the most common cause of Fanconi anemia. [provided by RefSeq, Jul

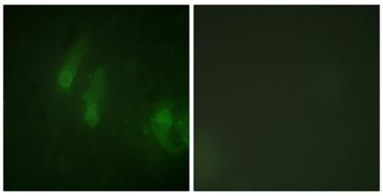


Western Blot analysis of RAT-HEART cells using Phospho-FANCA (S1149) Polyclonal Antibody diluted at 1:500

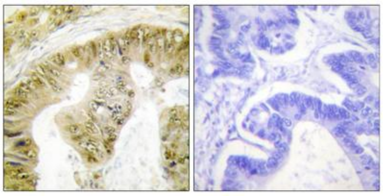


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using FANCA (Phospho-Ser1149) Antibody

Immunofluorescence analysis of HeLa cells, using FANCA (Phospho-Ser1149) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using FANCA (Phospho-Ser1149) Antibody. The picture on the right is blocked with the phospho peptide.



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