

FANCI (Ser556) Antibody
Rabbit Polyclonal Antibody
Catalog # AN1270**Specification**

FANCI (Ser556) Antibody - Product Information

Application	WB
Primary Accession	Q9NVI1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	149324

FANCI (Ser556) Antibody - Additional Information

Gene ID	55215
Gene Name	FANCI

Target/Specificity

Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser556 conjugated to KLH

Dilution

WB~~ 1:1000

Format

Antigen Affinity Purified from Pooled Serum

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FANCI (Ser556) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

Blue Ice

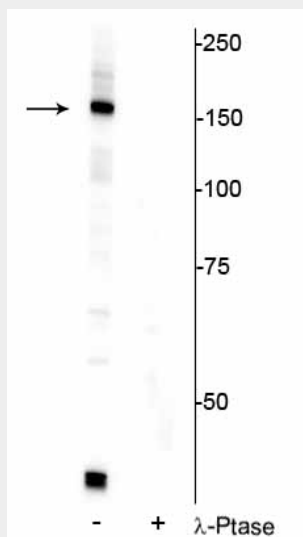
FANCI (Ser556) Antibody - Protocols

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](#)

FANCI (Ser556) Antibody - Images



Western blot of HeLa cell lysate showing specific immunolabeling of the ~150 kDa FANCI protein phosphorylated at Ser556 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is completely eliminated by lysate treatment with lambda phosphatase (λ -Ptase, 800 units/1mg protein for 30 min).

FANCI (Ser556) Antibody - Background

Fanconi anemia, FA, is a rare disorder where cells cannot prevent, repair, or tolerate DNA damage, leading to cancer, progressive bone marrow failure and developmental abnormalities (Ishiai et al, 2008). 16 genes have been implicated in FA, and their products constitute a common FA pathway (Walden and Deans 2014). FANCI (Fanconi anemia complementation group I), is one of two substrates for monoubiquitination by the FANCL-containing core complex, and is crucial for DNA repair via FAP and intrastrand cross-links (Walden and Deans, 2014). Phosphorylation at Ser556 has been shown to play a key role in FANCI physically associating with FANCD2, stabilizing the ID2 complex, and supporting its DNA binding and subsequent D2-ubiquitination (Walden and Deans, 2014).