**Product Name: FANCG (phospho Ser383) Rabbit Polyclonal Antibody**
**Catalog #: APRab04666**

## Summary

| | |
|---|---|
| **Production Name** | FANCG (phospho Ser383) Rabbit Polyclonal Antibody |
| **Description** | Rabbit Polyclonal Antibody |
| **Host** | Rabbit |
| **Application** | WB |
| **Reactivity** | Human,Rat,Mouse |

## Performance

| | |
|---|---|
| **Conjugation** | Unconjugated |
| **Modification** | Phospho Antibody |
| **Isotype** | IgG |
| **Clonality** | Polyclonal |
| **Form** | Liquid |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| **Buffer** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N. |
| **Purification** | Affinity purification |

## Immunogen

| | |
|---|---|
| **Gene Name** | FANCG |
| **Alternative Names** | FANCG; XRCC9; Fanconi anemia group G protein; Protein FACG; DNA repair protein XRCC9 |
| **Gene ID** | 2189.0 |
| **SwissProt ID** | O15287.Synthesized phospho-peptide around the phosphorylation site of human FANCG (phospho Ser383) |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB 1:500-1:2000. ELISA: 1:40000. |
| **Molecular Weight** | 69kD |

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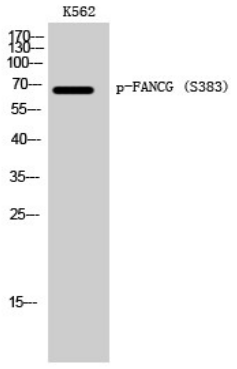
## Background

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 G. [provided by RefSeq, Jul 2008],disease:Defects in FANCG are a cause of Fanconi anemia (FA) [MIM:227650]. FA is a genetically heterogeneous, autosomal recessive disorder characterized by progressive pancytopenia, a diverse assortment of congenital malformations, and a predisposition to the development of malignancies. At the cellular level it is associated with hypersensitivity to DNA-damaging agents, chromosomal instability (increased chromosome breakage), and defective DNA repair.,function:DNA repair protein that may operate in a postreplication repair or a cell cycle checkpoint function. May be implicated in interstrand DNA cross-link repair and in the maintenance of normal chromosome stability. Candidate tumor suppressor gene.,similarity:Contains 4 TPR repeats.,subcellular location:The major form is nuclear. The minor form is cytoplasmic.,subunit: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.,tissue specificity:Highly expressed in testis and thymus. Found in lymphoblasts.,

## Research Area

## Image Data




Western Blot analysis of K562 cells using Phospho-FANCG (S383) Polyclonal Antibody

## Note

For research use only.

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