FANCG (Phospho Ser383) Rabbit pAb

CatalogNo: YP0455

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,ELISA

MW
- 69kD (Observed)

Isotype
- IgG

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
ELISA 1:40000
Not yet tested in other applications.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized phospho-peptide around the phosphorylation site of human FANCG (phospho Ser383)
Specificity	Phospho-FANCG (S383) Polyclonal Antibody detects endogenous levels of FANCG protein only when phosphorylated at S383.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):RFsPP

Target Information

Gene name FANCG

Protein Name Fanconi anemia group G protein

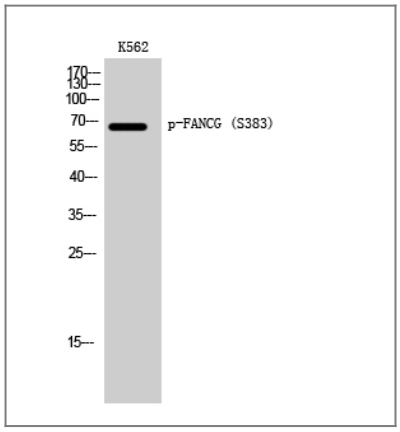
Organism	Gene ID	UniProt ID
Human	2189;	O15287;
Mouse		Q9EQR6;

Cellular Localization Nucleus . Cytoplasm . The major form is nuclear. The minor form is cytoplasmic.

Tissue specificity Highly expressed in testis and thymus. Found in lymphoblasts.

Function 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.,

Validation Data



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

Contact information

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Please scan the QR code to access additional product information:
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