

For Research Use Only

# FANCD2 Polyclonal antibody

Catalog Number: 28619-1-AP

Featured Product

10 Publications



## Basic Information

Catalog Number:

28619-1-AP

Size:

850 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29460

GenBank Accession Number:

NM\_001018115

GeneID (NCBI):

2177

UNIPROT ID:

Q9BXW9

Full Name:

Fanconi anemia, complementation group D2

Calculated MW:

164 kDa

Observed MW:

150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

Human

Cited Species:

human, mouse

Positive Controls:

WB : HeLa cells, K-562 cells

## Background Information

FANCD2, also named as FACH and FACH2, is required for maintenance of chromosomal stability. FANCD2 promotes accurate and efficient pairing of homologs during meiosis. FANCD2 is involved in the repair of DNA double-strand breaks, both by homologous recombination and single-strand annealing. It may participate in S phase and G2 phase checkpoint activation upon DNA damage. It promotes BRCA2/FANCD1 loading onto damaged chromatin. FANCD2 may also be involved in B-cell immunoglobulin isotype switching. Defects in FANCD2 are a cause of Fanconi anemia (FA) which 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zixian Huang	36382555	Adv Sci (Weinh)	WB
Liyong Song	35754466	Front Pharmacol	WB,IP
Chun-Lai Zhao	35489419	Eur J Pharmacol	IF

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

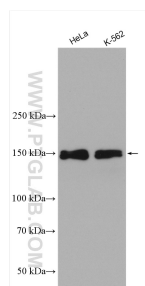
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28619-1-AP (FANCD2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.