

For Research Use Only

FANCD2 Polyclonal antibody

Catalog Number: 28619-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number: 28619-1-AP	GenBank Accession Number: NM_001018115	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 850 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2177	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: Fanconi anemia, complementation group D2	
Isotype: IgG	Calculated MW: 164 kDa	
Immunogen Catalog Number: AG29460	Observed MW: 150 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, K-562 cells
Cited Applications: IF, IP, WB	
Species Specificity: Human	
Cited Species: human	

Background Information

FANCD2, also named as FACD and FACD2, 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

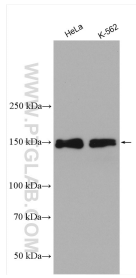
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.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.