

FANCD2 Polyclonal Antibody

Catalog No.	A0521	Category	Polyclonal Antibodies
Applications	WB	Observed MW	170kDa
Cross-reactivity	Human	Calculated MW	27kDa/140kDa/164kDa/166kDa

Immunogen Information

Immunogen	A synthetic peptide of human FANCD2
Gene ID	2177
Swiss prot	Q9BXW9
Synonyms	FANCD2; FA-D2; FA4; FACD; FAD; FAD2; FANCD; Fanconi anemia group D2 protein

Product information

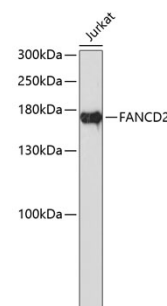
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at 4°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, pH7.3.

Background

The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL (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 D2. This protein is monoubiquitinated in response to DNA damage, resulting in its localization to nuclear foci with other proteins (BRCA1 AND BRCA2) involved in homology-directed DNA repair. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:500 -
1:1000



Western blot - FANCD2 Polyclonal Antibody (A0521)