

Immunotag™ FANCD2 Antibody

Antibody Specification	
Catalog No.	ITA6880
Product Description	Immunotag™ FANCD2 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	FANCD2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human FANCD2
Specificity	FANCD2 Antibody detects endogenous levels of total FANCD2
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	FANCD2
Accession No.	Q9BXW9
Alternate Names	DKFZp762A223; FA 4; FA D2; FA4; FAC D2; FACD 2; FACD; FACD2; FACD2_HUMAN; FAD; FAD2; FANC D2; FANCD 2; FANCD; FANCD2; FANCONI ANEMIA COMPLEMENTATION GROUP D; Fanconi anemia complementation group D2; Fanconi anemia group D2 protein; FANCONI PANCYTOPENIA TYPE 4; FLJ23826; OTTHUMP00000158853; OTTHUMP00000207925; Protein FACD2; Type 4 Fanconi pancytopenia;

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Description	Required for maintenance of chromosomal stability. Promotes accurate and efficient pairing of homologs during meiosis. Involved in the repair of DNA double-strand breaks, both by homologous recombination and single-strand annealing. May participate in S phase and G2 phase checkpoint activation upon DNA damage. Plays a role in preventing breakage and loss of missegregating chromatin at the end of cell division, particularly after replication stress. Required for the targeting, or stabilization, of BLM to non-centromeric abnormal structures induced by replicative stress. Promotes BRCA2/FANCD1 loading onto damaged chromatin. May also be involved in B-cell immunoglobulin isotype switching.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	166kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.