

MaxPab®

FANCD2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002177-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human FANCD2 protein.
Immunogen	FANCD2 (NP_149075.2, 1 a.a. ~ 1471 a.a) full-length human protein.
Sequence	MVSKRRLSKSEDKESLTEDASKTRKQPLSKTKKSHIANEVEENDSIFVKLLKISGILKTGESQNNQ LAVDQIAFQKKLFQTLRRHPSYPKIIIEEFVSGLESYIEDEDSFRNCLLSCERLQDEEASMGASYSK SLIKLLLIGIDILQPAIKTLFEKLPEYFFENKNSDEINPRLVSQLKWLDREVVDGKDLTTKIMQLISIAPE NLQHDITSLPEILGDSQHADVKGELSDLLIENTSLTVPILDVLSRLDPNFKVRLVMDKLSSIR LEDLPVIAKFIHLSVTAMDTLEVISREKLDLQHCVLPSRLQASQVKLKS KGRASSSGNQESSGQ SCIILLFDVIKSAIRYEKTISEAWIKAIENTASVSEHKVFDLVMFIYSTNTQTKKYIDRVLRNKIRSGCIQ EQLLQSTFSVHYLVKDMCSSLILAQSLHSLDQSIISFGSLLYKYAFKFFDTCQEQEVVGALVTHI CSGNEAEVDTALDVLELVNPSAMMMNAVVKGLDYLDNISPPQIRKLFYVLSTLAFSKQNEA SSHIQDDMHLVIRKQLSSTVFYKYLIGIGAVTMAGIMAADRSESPSLTQERANLSDEQCTQVTSLL QLVHSCSEQSPQASALYDEFANLIQHEKLDPKALEWVGHTICNDFQDAFVVDSCVPEGDFPF PVKALYGLEEYDTQDGIANLLPLLFSQDFAKGGPVTSQESGQKLVSPCLCLAPYFRLRLCVERQ HNGNLEEIDGLDCPIFLTDLEPGEKLESMSAKERSFMCSLIFLTNWFREVNAFQCETSPKMG KVLTRLKHVELQIILEKYLAVTPDYVPPPLGNFVDVETLDITPHTVTAISAKIRKKGKIERKQKTDGSKTS SSDTLSEEKNSCEDPTPSHRGQLNKEFTGKEEKTSLLLHNSHAFFRELDIEVFSILHCGLVTKFILD TEMHTEATEVVQLGPPELLFLLDLSQKLESMLTPPIARRVPFLKNKGSRNIGFSLHQQRSAQEV HCVFQLLTPMCNHNENIHYFQCLAAENHGVDGPGVKVQEYHIMSSCYQRLQLIFHGLFAWSGF SQPENQNLLYSALHVLSSRLKQGEHSQPLELLSQSVHYLQNFHQSIQSFQCALYLIRLLMVILEKS TASAQNKKEIASLARQFLCRVWPSGDKEKSNISNDQLHALLCYLEHTESILKAIEEAGVGPPELIN SPKDASSSTFPTLTRHTFVVFVRVMMAELEKTVKKIEPGTAADSQQIHEEKLLYWNMAVRDFSILIN LIKVFDSHPVLHVCLKYGRLFVEAFLKQCMPLLDFFSRKHREDVLSLLETFQLDTRLLHHLCGHSK IHQDTRLTQHVPLLKKTLELLVCRVKAMLTNNCREAFWLGNLKNRDLQGEEIKSQNSQESTADE SEDDMSSQASKSKATEVSLQNPPESGTDGCILLMLSWWSRTLPTYVYCQMLLCPPFPFP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (75); Rat (76)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — FANCD2

Entrez GeneID [2177](#)**GeneBank Accession#** [NM_033084.3](#)**Protein Accession#** [NP_149075.2](#)**Gene Name** FANCD2**Gene Alias** DKFZp762A223, FA-D2, FA4, FACD, FAD, FAD2, FANCD, FLJ23826**Gene Description** Fanconi anemia, complementation group D2**Omim ID** [227646](#)**Gene Ontology** [Hyperlink](#)

Gene Summary

The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, FANCI, FANCI (also called BRIP1), FANCL, FANCM and FANCN (also called PALB2). The previously defined group FANCI 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 two transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations Fanconi anemia complementation group D2|type 4 Fanconi pancytopenia

Disease

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- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Meningeal Neoplasms](#)
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