

Rabbit anti-Human FANCD2 Monoclonal Antibody | anti-FANCD2 antibody

FANCD2 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282790	Rabbit	Human	ELISA, Immunoprecipitation, Western Blot

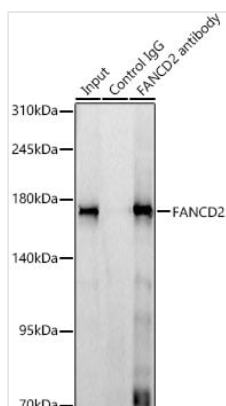
PRODUCT SYNONYMS

FANCD2; Monoclonal Antibody; FANCD2 Rabbit mAb; FA4; FAD; FACD; FAD2; FA-D2; FANCD; anti-FANCD2 antibody

PRODUCT SPECIFICATIONS

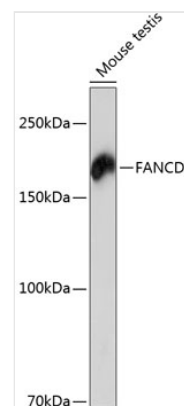
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	ISIAPENLQH DIITSLPEIL GDSQHADV GK ELSDLLIENT SLTVPILDVL SSLRLDPNFL LKVRQLVMDK LSSIRLEDLP VIKFILHSV TAMDTEVIS E
Applicable Applications for anti-FANCD2 antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human FANCD2 (Q9BXW9).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



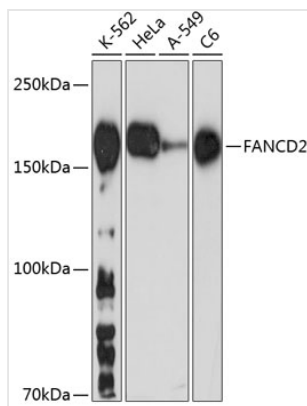
IP (Immunoprecipitation)

Immunoprecipitation analysis of 300ug extracts of HeLa cells using 3ug FANCD2 Rabbit mAb (AAA282790). Western blot was performed from the immunoprecipitate using FANCD2 Rabbit mAb (AAA282790) at a dilution of 1:1000.



WB (Western Blot)

Western blot analysis of lysates from mouse testis, using FANCD2 Rabbit mAb (AAA282790) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3min.



WB (Western Blot)

Western blot analysis of various lysates using FANCD2 Rabbit mAb (AAA282790) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-FANCD2 antibody

The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB, FANCC, FANCD1 (also called BRCA2), FANCD2, FANCE, FANCF, FANCG, FANCI, FANCIJ (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.

Product Categories/Family for anti-FANCD2 antibody

[Epigenetics Nuclear Signaling](#); [DNA Damage Repair](#); [ATM Signaling Pathway](#); [Cell Biology Developmental Biology](#); [Cell Cycle](#); [Cell Cycle Control-G2 M DNA Damage Checkpoint](#); [Antibodies](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	66528888
NCBI GeneID	2177
NCBI Accession #	NP_001018125.1
NCBI GenBank Nucleotide #	NM_001018115.1
UniProt Accession #	Q9BXW9; Q2LA86; Q69YP9; Q6PJN7; Q9BQ06; Q9H9T9
Molecular Weight	Calculated MW: 164kDa Observed MW: 166kDa
UniProt Protein Name	Fanconi anemia group D2 protein
UniProt Gene Name	FANCD2
UniProt Synonym Gene Names	FACD; Protein FACD2
UniProt Entry Name	FACD2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fancd2-antibody-immunoprecipitation-western-blot-elisa/282790>