

## CAB19692

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**Product Information**

<b>Product SKU:</b>	CAB19692	<b>Gene ID:</b>	2177	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	ARC0172	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human,Mouse,Rat

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**Additional Information**

<b>Observed MW:</b>	166kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	164kDa	<b>Isotype:</b>	IgG

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**Immunogen Information**

**Background:** 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 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 monoubiquinated 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 Dilution:** WB:1:500 - 1:1000 IP:0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

**Synonyms:** FA4; FAD; FACD; FAD2; FA-D2; FANCD; FANCD2

**Purification Method:** Affinity purification

**Immunogen:** A synthetic peptide corresponding to a sequence within amino acids 200-300 of human FANCD2 (Q9BXW9).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.