

## Product datasheet for **AM06065PU-N**

### FANCD2 Mouse Monoclonal Antibody [Clone ID: 103]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	103
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunohistochemistry on Paraffin Sections:</b> 2.5 µg/ml. <b>Western Blot.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Human FANCD2 fusion protein.
Specificity:	Recognizes FANCD2.
Formulation:	PBS, pH 7.2 without preservatives. State: Purified State: Liquid purified Ig fraction.
Purification:	Protein G Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Fanconi anemia complementation group D2
Database Link:	<a href="#">Entrez Gene 2177 Human</a> <a href="#">Q9BXW9</a>



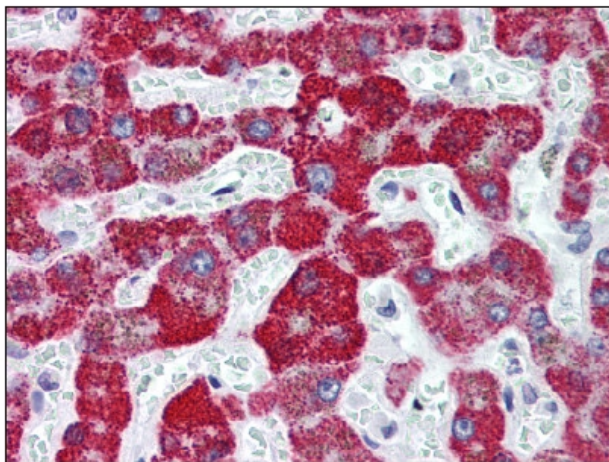
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**Background:** Fanconi Anemia Complementation Group D2 (FANCD2) protein is one of at least six factors shown to be involved in the autosomal-recessive cancer-prone disorder, Fanconi Anemia (FA). FA group D has been shown to be comprised of two separate proteins, FANCD1 and FANCD2. Mutations in BRCA2 can cause FANCD1. FANCD2 has been shown to colocalize with BRCA1 in ionizing radiation-induced foci. FANCD2 is involved in genomic resistance to DNA cross-linking reagents, and the arrest of DNA synthesis following exposure to ionizing radiation. FANCD2 has been shown to directly interact with NBS1.

**Synonyms:** Fanconi anemia group D2 protein, FACD2, FACD

**Note:** Predicted Molecular Weight: 176.5 kDa

**Product images:**



Formalin-Fixed Paraffin-Embedded Human Liver stained with FANCD2 antibody AM06065PU-N at 2.5 ug/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.