

Datasheet for ABIN7260125

anti-FANCD2 antibody**2** Images[Go to Product page](#)

Overview

| | |
|--------------|---------------------------------------|
| Quantity: | 200 µL |
| Target: | FANCD2 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This FANCD2 antibody is un-conjugated |
| Application: | Immunofluorescence (IF) |

Product Details

| | |
|------------------|---|
| Immunogen: | Recombinant fusion protein of human FANCD2 (NP_149075.2). |
| Isotype: | IgG |
| Characteristics: | Polyclonal Antibody |
| Purification: | Affinity purification |

Target Details

| | |
|-------------------|---|
| Target: | FANCD2 |
| Alternative Name: | FANCD2 (FANCD2 Products) |
| 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 |

Target Details

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.

Gene ID: 2177

UniProt: [Q9BXW9](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: IF 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

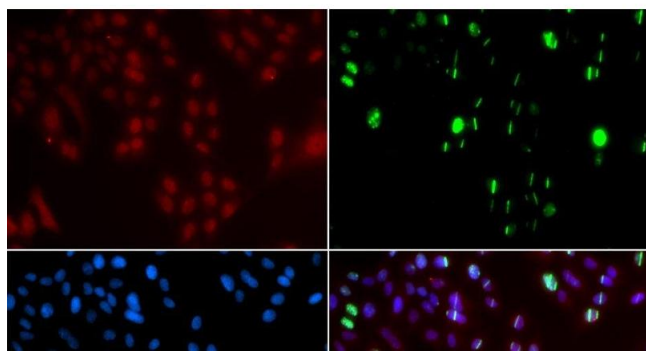
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

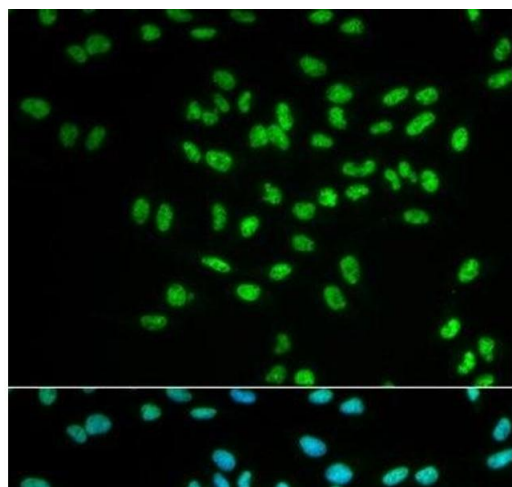
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using FANCD2 Polyclonal Antibody



Immunofluorescence

Image 2. Immunofluorescence analysis of MCF-7 cells using FANCD2 Polyclonal Antibody