

FANCD2 Antibody

CAB2072

Description

This FANCD2 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CAB2072

Contents: 20 μ L, 100 μ L
Bradford Reagent: 1 vial (2ml)

Category: Polyclonal Antibody

Synonyms: FA4, FAD, FACD, FAD2, FA-D2, FANCD, FANCD2

Clone: -

Applications: **WB** **IF/ICC** **IP** **ELISA**

Conjugation: Unconjugated

Reactivity: Human, Rat

Antibody Data

Gene ID: 2177

Uniprot: AB_2764094

Host Species: Rabbit

Purification: Affinity purification

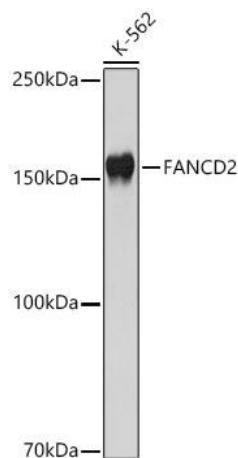
Observed MW: 180kDa/164kDa

Calculated MW: 164kDa

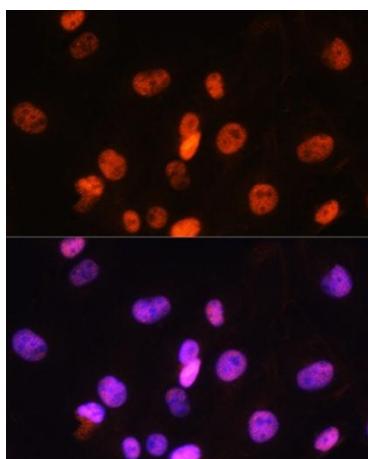
Preparation & Storage

Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3. Store Bradford Reagent at Room Temperature for 1 Year.								
Positive Sample:	MCF7, HeLa, K-562, Jurkat, A-549, K-562								
Recommended Dilutions:	<table border="1"> <tr> <td>WB</td><td>1:500 - 1:2000</td></tr> <tr> <td>IF/ICC</td><td>1:50 - 1:200</td></tr> <tr> <td>IP</td><td>0.5µg-4µg antibody for 200µg-400µg extracts of whole cells</td></tr> <tr> <td>ELISA</td><td>Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.</td></tr> </table>	WB	1:500 - 1:2000	IF/ICC	1:50 - 1:200	IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells	ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
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Protein Quantification (Optional):	To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol								

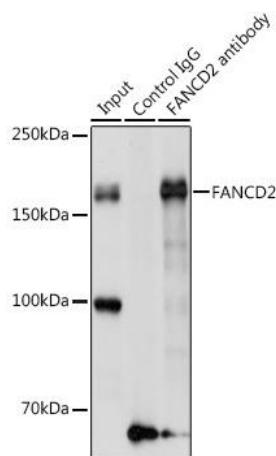
Validation Data



Western blot analysis of lysates from K-562 cells using FANCD2 Rabbit pAb (CAB2072) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



Immunofluorescence analysis of cells using FANCD2 Rabbit pAb (CAB2072) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200 µg extracts of A-549 cells using 3 µg FANCD2 antibody (CAB2072). Western blot was performed from the immunoprecipitate using FANCD2 antibody (CAB2072) at a dilution of 1:1000.