

Datasheet for ABIN7009743

anti-FANCD2 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	60 µL
Target:	FANCD2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FANCD2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein of human FANCD2 (NP_149075.2).
Isotype:	IgG
Specificity:	This antibody ist KO validated.
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification
Grade:	KO Validated

Target Details

Target:	FANCD2
Alternative Name:	FANCD2 (FANCD2 Products)
Background:	The Fanconi anemia complementation group (FANC) currently includes FANCA, FANCB,

Target Details

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.

Molecular Weight: Observed_MW: 166 kDa
Calculated_MW: 27 kDa/140 kDa/164 kDa/166 kDa

Gene ID: 2177

UniProt: [Q9BXW9](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: WB 1:500-1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

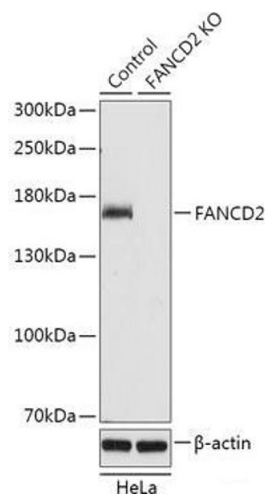
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

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.



Western Blotting

Image 1. Western blot analysis of extracts from normal (control) and FANCD2 knockout (KO) HeLa cells using FANCD2 Polyclonal Antibody at dilution of 1:1000.