

Datasheet for ABIN7138489
anti-FANCD2 antibody (pSer222)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	FANCD2
Binding Specificity:	pSer222
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FANCD2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 222 (G-D-S(p)-Q-H) derived from Human FANCD2.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	FANCD2
Alternative Name:	FANCD2 (FANCD2 Products)

Target Details

Background:	<p>Background:</p> <p>Required for maintenance of chromosomal stability. Promotes accurate and efficient pairing of homologs during meiosis. Involved in the repair of DNA double-strand breaks, both by homologous recombination and single-strand annealing. May participate in S phase and G2 phase checkpoint activation upon DNA damage. Plays a role in preventing breakage and loss of missegregating chromatin at the end of cell division, particularly after replication stress.</p> <p>Required for the targeting, or stabilization, of BLM to non-centromeric abnormal structures induced by replicative stress. Promotes BRCA2/FANCD1 loading onto damaged chromatin.</p> <p>May also be involved in B-cell immunoglobulin isotype switching.</p> <p>Ho GP, Margossian S, Taniguchi T, D'Andrea AD (2006) Mol Cell Biol 26, 7005-15. Nakanishi K, et al. (2002) Nat Cell Biol 4, 913-20. Taniguchi T, et al. (2002) Cell 109, 459-72 .</p> <p>Aliases: DKFZp762A223 antibody, FA 4 antibody, FA D2 antibody, FA4 antibody, FAC D2 antibody, FACD 2 antibody, FACD antibody, FACD2 antibody, FACD2_HUMAN antibody, FAD antibody, FAD2 antibody, FANC D2 antibody, FANCD 2 antibody, FANCD antibody, FANCD2 antibody, FANCONI ANEMIA COMPLEMENTATION GROUP D antibody, Fanconi anemia complementation group D2 antibody, Fanconi anemia group D2 protein antibody, FANCONI PANCYTOPENIA TYPE 4 antibody, FLJ23826 antibody, OTTHUMP00000158853 antibody, OTTHUMP00000207925 antibody, Protein FACD2 antibody, Type 4 Fanconi pancytopenia antibody</p>
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UniProt:	Q9BXW9
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Pathways:	DNA Damage Repair
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Application Details

Application Notes:	WB:1:500-1:1000,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images

