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Datasheet for ABIN7090792 **anti-BRCA2 antibody**

Overview

Quantity:	100 µL
Target:	BRCA2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BRCA2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant human BRCA2_HUMAN.
Clone:	F2H5
Predicted Reactivity:	Human

Target Details

Target:	BRCA2
Alternative Name:	BRCA2 (BRCA2 Products)
Background:	Synonyms: BRCA 2, BRCA1/BRCA2 containing complex subunit 2, BRCC 2, BRCC2, Breast and ovarian cancer susceptibility gene early onset, Breast cancer 2 early onset, Breast Cancer 2 tumor suppressor, Breast cancer susceptibility protein BRCA2, Breast cancer type 2 susceptibility protein, FACD, FAD 1, FAD, FAD1, FANCB, FANCD 1, FANCD, FANCD1, Fanconi anemia complementation group D1, Fanconi anemia group D1 protein,

Target Details

OTTHUMP00000018803, OTTHUMP00000042401, BRCA2_HUMAN.

Background: Involved in double-strand break repair and/or homologous recombination. Binds RAD51 and potentiates recombinational DNA repair by promoting assembly of RAD51 onto single-stranded DNA (ssDNA). Acts by targeting RAD51 to ssDNA over double-stranded DNA, enabling RAD51 to displace replication protein-A (RPA) from ssDNA and stabilizing RAD51-ssDNA filaments by blocking ATP hydrolysis. May participate in S phase checkpoint activation. Binds selectively to ssDNA, and to ssDNA in tailed duplexes and replication fork structures. In concert with NPM1, regulates centrosome duplication.

Gene ID:	675
UniProt:	P51587
Pathways:	DNA Damage Repair , M Phase , Maintenance of Protein Location

Application Details

Application Notes:	WB 1:300-5000
Restrictions:	For Research Use only

Handling

Concentration:	0.5 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months