

Anti-FANCD2 Antibody (4N89)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 164 kDa. Actual: 170 kDa.
Clone:	4N89
Purification:	Protein A purified

Applications

Verified Activity:	25 µg total protein per lane of various lysates (see on figure) probed with FANCD2 monoclonal antibody, unconjugated (TMAB-05896) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB,ICC/IF,IP
Recommended	WB: 1:500-2000; ICC/IF: 1:50-200; IP: 1:20-50

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human FANCD2
Antigen Species:	Human
Gene ID:	2177
Uniprot ID:	Q9BXW9

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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