

RAD51 antibody

Product Information

Catalog No.:	FNab10134
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Plays an important role in homologous strand exchange, a key step in DNA repair through homologous recombination. Binds to single and double-stranded DNA and exhibits DNA-dependent ATPase activity. Catalyzes the recognition of homology and strand exchange between homologous DNA partners to form a joint molecule between a processed DNA break and the repair template. Binds to single-stranded DNA in an ATP-dependent manner to form nucleoprotein filaments which are essential for the homology search and strand exchange(PubMed:26681308). Part of a PALB2-scaffolded HR complex containing BRCA2 and RAD51C and which is thought to play a role in DNA repair by HR. Plays a role in regulating mitochondrial DNA copy number under conditions of oxidative stress in the presence of RAD51C and XRCC3.

Immunogen information

Immunogen:	RAD51 homolog
Synonyms:	DNA repair protein RAD51 homolog 1 (HsRAD51, hRAD51) RAD51 homolog A RAD51 RAD51A RECA
Observed MW:	37 kDa
Uniprot ID :	Q06609

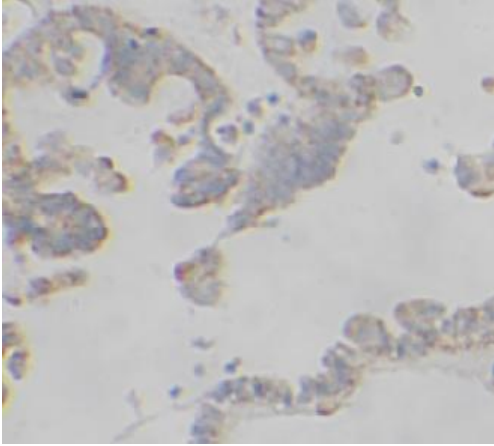
Application

Reactivity:	Human
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Tested Application: ELISA, IHC

Recommended dilution:IHC: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded human ovary cancer tissue slide using FNab10134(RAD51 Antibody) at dilution of 1:200