

Rabbit Anti-RAD51 [EP189]: RM0170

Intended Use: For Research Use Only

Description: RAD51 family members are known to be involved in the homologous recombination and repair of DNA. This protein can interact with the ssDNA-binding proteins RPA and RAD52, and it is thought to play roles in homologous pairing and strand transfer of DNA. RAD51 is also found to interact with BRCA1 and BRCA2, which may be important for the cellular response to DNA damage. High levels of RAD51 expression is associated with tumor progression in a variety of human malignancies including cancers of the breast, prostate and lung. Assessment of RAD51 expression may be of value in the determination of cancer treatment response.

Specifications

Clone: EP189
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Cytoplasm
Formulation: Tissue culture supernatant in PBS pH7.5, containing 0.2% BSA, 15mM sodium azide (NaN₃)
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
RAD51 Concentrated	RM0170	1 ml

IHC Procedure*

Positive Control Tissue: Breast cancer
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.