RAD51 Antibody

Catalog No: #37022

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

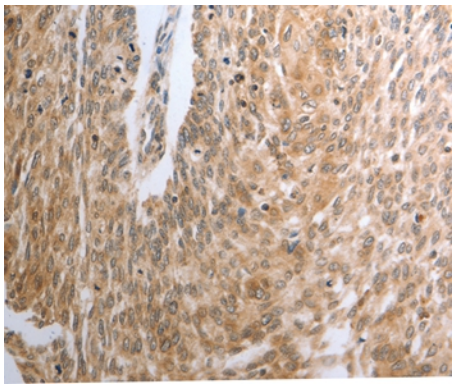
Description

Product Name	RAD51 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total RAD51 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human RAD51 homolog (S. cerevisiae)
Target Name	RAD51
Other Names	RECA; BRCC5; MRMV2; HRAD51; RAD51A; HsRad51; HsT16930
Accession No.	Swiss-Prot#: Q06609NCBI Gene ID: 5888Gene Accssion: NP_597994
Uniprot	Q06609
GeneID	5888;
Concentration	1.1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

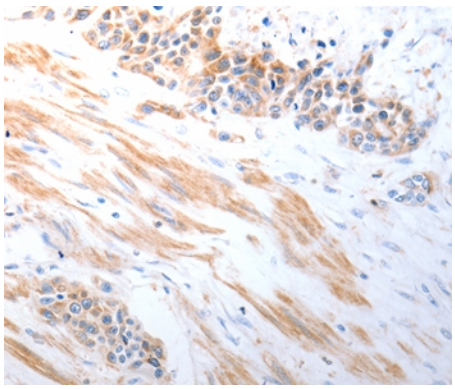
Application Details

Immunohistochemistry: 1:25-1:100

Images



Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue using #37022 at dilution 1/30.



Immunohistochemical analysis of paraffin-embedded Human cervica cancer tissue using #37022 at dilution 1/30.

Background

The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are highly similar to bacterial RecA and Saccharomyces cerevisiae Rad51, and are known to be involved in the homologous recombination and repair of DNA. This protein can interact with the ssDNA-binding protein RPA and RAD52, and it is thought to play roles in homologous pairing and strand transfer of DNA. This protein is also found to interact with BRCA1 and BRCA2, which may be important for the cellular response to DNA damage. BRCA2 is shown to regulate both the intracellular localization and DNA-binding ability of this protein. Loss of these controls following BRCA2 inactivation may be a key event leading to genomic instability and tumorigenesis. Multiple transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only