

Product Datasheet

RAD51AP1 Antibody **NB100-1129**

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-1129

RAD51AP1 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

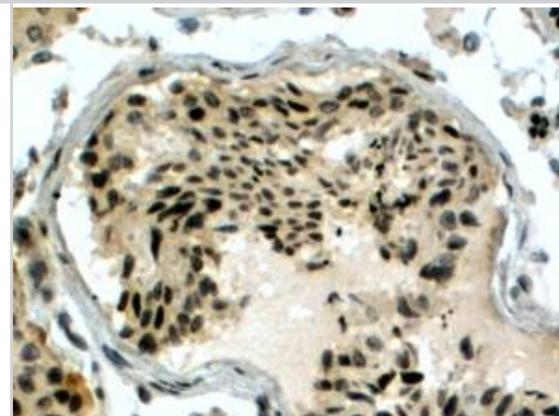
Product Description	
Host	Goat
Gene ID	10635
Gene Symbol	RAD51AP1
Species	Human
Specificity/Sensitivity	This antibody is expected to recognise both reported isoforms.
Immunogen	Peptide with sequence C-ARVKPLHPNATST corresponding to C-Terminus according to NP_001124334.1, NP_006470.

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Flow Cytometry 10 ug/ml, Immunohistochemistry 4 - 6 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Paraffin 4 - 6 ug/ml, Peptide ELISA Detection limit 1:32000
Application Notes	Use in Western blot reported in scientific literature (PMID: 26323318).

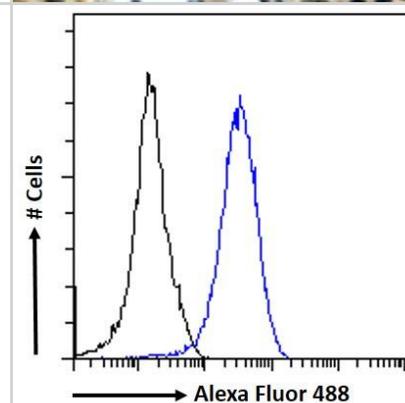


Images

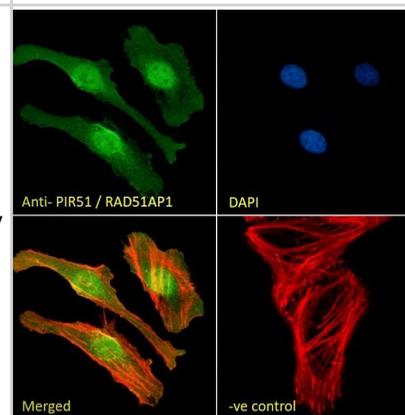
Immunohistochemistry-Paraffin: RAD51AP1 Antibody [NB100-1129] - (4ug/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



Flow Cytometry: RAD51AP1 Antibody [NB100-1129] - Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunocytochemistry/Immunofluorescence: RAD51AP1 Antibody [NB100-1129] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Publications

Maranon DG, Sharma N, Huang Y et al. NUCKS1 promotes RAD54 activity in homologous recombination DNA repair *Journal of Cell Biology* 2020-10-05 [PMID: 32876692]

Pires E, Sharma N, Selemenakis P et al. RAD51AP1 mediates RAD51 activity through nucleosome interaction *The Journal of biological chemistry* 2021-05-28 [PMID: 34058198] (WB, Human)

Parplys AC, Zhao W, Sharma N et al. NUCKS1 is a novel RAD51AP1 paralog important for homologous recombination and genome stability. *Nucleic Acids Res.* 2015-08-31 [PMID: 26323318] (WB, Human)

Kovalenko OV, Golub EI, Bray-Ward P et al. A novel nucleic acid-binding protein that interacts with human rad51 recombinase. *Nucleic Acids Res* 1997-12-15 [PMID: 9396801]



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Products Related to NB100-1129

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00010635-P01-10ug	Recombinant Human RAD51AP1 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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