

Product Datasheet

Rad51L1 Antibody (1 H3/13) - BSA Free NB100-176

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NB100-176

Rad51L1 Antibody (1 H3/13) - BSA Free

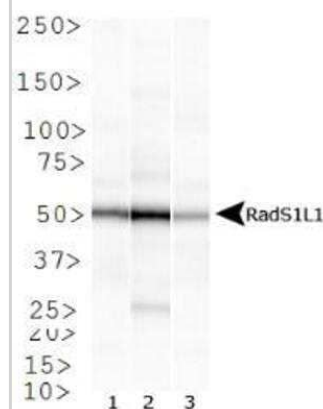
Product Information	
Unit Size	0.1 ml
Concentration	0.7 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1 H3/13
Preservative	0.1% Sodium Azide
Isotype	IgG2a
Purity	Protein A or G purified
Buffer	PBS
Target Molecular Weight	42 kDa

Product Description	
Host	Mouse
Gene ID	5890
Gene Symbol	RAD51B
Species	Human, Primate, Mouse (Negative)
Reactivity Notes	This antibody does not work in mouse.
Specificity/Sensitivity	Does not cross-react with Rad51C, Rad51D, Rad51, XRCC2, or XRCC3 in Western analysis.
Immunogen	His-tagged human Rad51L1, overexpressed in E. coli. [UniProt# O15315]

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence reported in scientific literature
Application Notes	In Western blot, a band can be seen at ~ 42 kDa. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

Western Blot: Rad51L1 Antibody (1 H3/13) [NB100-176] - Western blot analysis of Rad51L1 expression in 1) HeLa, 2) HepG2 and 3) Cos 7 whole cell lysates.



Publications

Umbreit C, Erben P, Faber A et al. Lapatinib-induced mesenchymal-epithelial transition in squamous cell carcinoma cells correlates with unexpected alteration of beta-catenin expression. *Oncol Lett* 2016-04-01 [PMID: 27073542]

Jensen RB, Ozes A, Kim T et al. BRCA2 is epistatic to the RAD51 paralogs in response to DNA damage. *DNA Repair (Amst)* 2013-02-02 [PMID: 23384538] (WB, Human)

Shammas MA, Shmookler Reis RJ, Koley H et al. Dysfunctional homologous recombination mediates genomic instability progression in myeloma. *Blood* 2009;113(10):2290-2297 [PMID: 19050310] (ICC/IF, Human)



Procedures

Western Blot protocol for Rad51L1 Antibody (NB100-176)

Procedure Guide for NB 100-176 Anti-Rad51B Rad51L1 Antibody (1 H3/13):

Western Blot

1. Proteins are separated on an SDS-PAGE gel.
2. Following the protein transfer, the membrane is blocked with 5% NFDM in TBS-T.
3. The membrane is then washed.
4. NB 100-176 [anti-Rad51B] is diluted 1:1,000 in dilution buffer [5% NFDM in TBS-T] and incubated for 3 hours at room temperature, gently shaking.
5. The membrane is then washed.
6. Secondary antibody [HRP conjugated goat anti-mouse] is incubated for 45 minutes at room temperature, gently shaking.
7. Develop membrane.





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Products Related to NB100-176

NB800-PC1	HeLa Whole Cell Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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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