

Product Datasheet

Rad21 Antibody (CM110-2C10) - BSA Free NB100-386

Unit Size: 0.1 ml

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

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NB100-386

Rad21 Antibody (CM110-2C10) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CM110-2C10
Preservative	0.1% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS

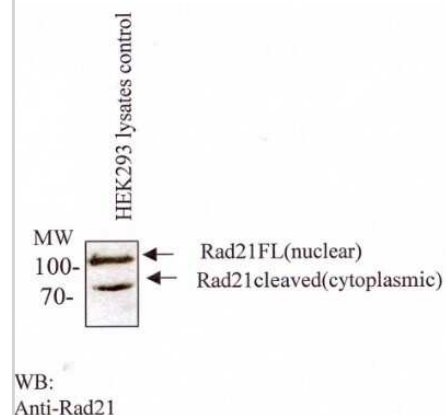
Product Description	
Host	Mouse
Gene ID	5885
Gene Symbol	RAD21
Species	Human, Mouse
Specificity/Sensitivity	NB100-386 is specific for both the nuclear hRad21 protein and the cleaved cytoplasmic hRad21 protein.
Immunogen	An N-terminal fusion protein of the C-terminal fragment of Scc1 subunit human cohesin (amino acids 544-631 of hRad21).

Product Application Details	
Applications	Western Blot, Simple Western
Recommended Dilutions	Western Blot 1:500 (ECL), Simple Western 1:50
Application Notes	<p>This Rad21 (CM110-2C10) antibody can be used in Western blot, where two bands are seen. The full-length Rad21 is seen around 130 kDa, while the cleaved Rad21 is seen around 70 kDa.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.</p> <p>See Simple Western Antibody Database for Simple Western validation: Tested in Hek293 lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:50, apparent MW was 72 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.</p>



Images

Western Blot: Rad21 Antibody (CM110-2C10) [NB100-386] - Western blot with monoclonal anti-Rad21 (NB100-386) in HEK293 lysates.



Simple Western: Rad21 Antibody (CM110-2C10) [NB100-386] - Simple Western lane view shows a specific band for Rad21 in 0.5 mg/ml of Hek293 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

Schiapparelli LM, Xie Y, Sharma P et al. Activity-Induced Cortical Glutamatergic Neuron Nascent Proteins The Journal of neuroscience : the official journal of the Society for Neuroscience 2022-10-19 [PMID: 36261270] (WB, Mouse)

Procedures

Western Blot protocol for Rad21 Antibody (NB100-386)

Rad21 Antibody (CM110-2C10):

1. Load protein on gel (ie: ~8 ug of non-transfected, control HeLa extract) and run.
2. Transfer protein to nitrocellulose (Schleicher&Schuell, cat# BA83).
3. Block the membrane with 5% milk for 30 minutes at room temperature.
4. Incubate the membrane with anti-cohesin [cat# NB 100-386] (1:500), overnight at 4C or 2 h at room temperature. Milk or PBS-T are good for this dilution.
5. Wash the membrane 3 times, 10 minutes per wash in PBS with 0.1% Tween-20 (PBS-T).
6. Incubate with secondary antibody for 30 minutes at room temperature. Use milk in PBS-T as a diluent.
7. Rinse the membrane 2 times with deionized water and place in an ECL working solution.
8. Expose to the film.





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Products Related to NB100-386

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]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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