

Product Datasheet

Rad9 Antibody (93A535) - BSA Free NB120-13600

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 8

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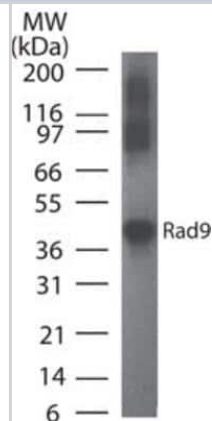
NB120-13600

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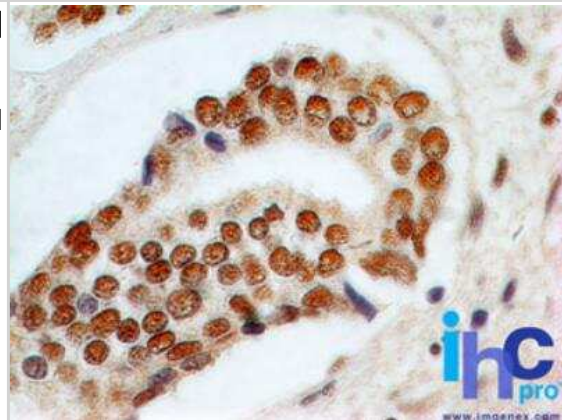
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	93A535
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse Rad9 Antibody (93A535) - BSA Free (NB120-13600) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Rad9 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	5883
Gene Symbol	RAD9A
Species	Human
Immunogen	The antibody was raised against fusion protein of human full length Rad9.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1-2 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500. Use reported in scientific literature (Kotmatsu et al), Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500. Use reported in scientific literature (Lee et al (2007))
Application Notes	In recombinant Rad9, a ~50 kDa band is observed.

Images

Western Blot: Rad9 Antibody (93A535) [NB120-13600] - Western blot analysis of RAD9 recombinant protein using RAD9 antibody at 2 ug/ml. Human tissue TMA was used for this test.



Immunohistochemistry-Paraffin: Rad9 Antibody (93A535) [NB120-13600] - Formalin-fixed, paraffin-embedded human prostate adenocarcinoma stained with RAD9 antibody at 5 ug/ml. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



Publications

Shi G, Chang DY, Cheng CC et al. Physical and functional interactions between MutY glycosylase homologue (MYH) and checkpoint proteins Rad9-Rad1-Hus1. *Biochem J.* 2006-11-15 [PMID: 16879101]

Details:

IF (HeLa), Fig 9. In H2O2 treated HeLa cells Rad9 formed discrete nuclear foci. This is in comparison to untreated HeLa cells where Rad9 appeared granulated in faint spots throughout the nucleus.

Guan X, Madabushi A, Chang DY et al. The human checkpoint sensor Rad9-Rad1-Hus1 interacts with and stimulates DNA repair enzyme TDG glycosylase. *Nucleic Acids Res.* 2007-01-01 [PMID: 17855402]

Lee HS, Cho SB, Lee HE et al. Protein expression profiling and molecular classification of gastric cancer by the tissue array method. *Clin Cancer Res.* 2007-07-15 [PMID: 17634543]

Details:

Gastric Carcinoma Tissue Microarray (IMH-316): IHC (paraffin), Tables 1, 2; Fig.1. 2. Stomach Tissue Microarray (IMH-341), matching normal tissue of IMH-316: IHC (paraffin), Tables 1, 2; Fig. 1.

Komatsu K, Wharton W, Hang H et al. PCNA interacts with hHus1/hRad9 in response to DNA damage and replication inhibition. *Oncogene.* 2000-11-02 [PMID: 11077446] (ICC/IF, Human)

Details:

IF (Flow2000 human fibroblasts cells), Fig 4.

De Haro LP, Wray J, Williamson EA et al. Metnase promotes restart and repair of stalled and collapsed replication forks. *Nucleic Acids Res.* 2010-09-01 [PMID: 20457750] (WB)

Details:

HEK293T cells overexpressing Metnase:1. IP/WB, Fig 6B 2. IP, Fig 6C. The RAD9 IMG-164 mAb (clone 93A535) co-IP'd V5-tagged Metnase. Metnase was detected by WB with a V5 antibody.

Kedar PS, Stefanick DF, Horton JK, Wilson SH. Interaction between PARP-1 and ATR in mouse fibroblasts is blocked by PARP inhibition. *DNA Repair (Amst).* 2008-11-01 [PMID: 18691676] (WB)

Details:

WB (M16tsA mouse fibroblasts), Fig 2C. An ATR antibody was used for WB, and the RAD9 IMG-164 antibody was used for WB. The results showed the RAD9 co-IP'd with ATR.

Bai H, Madabushi A, Guan X, Lu AL. Interaction between human mismatch repair recognition proteins and checkpoint sensor Rad9-Rad1-Hus1. *DNA Repair (Amst).* 2010-05-04 [PMID: 20188637] (WB)

Details:

1. IF (HeLaS3, HCT15, LoVo cell lines), Figs 5-7. In MNNG (DNA methylating agent) treated cells RAD9 formed discrete nuclear foci. This is in comparison to untreated cells where RAD9 appeared granulated in faint spots throughout the nucleus. In Fig 7, HeL

Lee HS, Chang MS, Yang HK et al. Epstein-barr virus-positive gastric carcinoma has a distinct protein expression profile in comparison with epstein-barr virus-negative carcinoma. *Clin Cancer Res.* 2004-03-01 [PMID: 15014022] (IHC-P)



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Products Related to NB120-13600

NBL1-15123	Rad9 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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