

Product Datasheet

Rad9 [p Ser1260] Antibody - BSA Free NBP1-77981

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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NBP1-77981

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Product Information

Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Product Description

Description	<p>This affinity purified antibody is directed against the phosphorylated form of yeast Rad9 at the pS1260 residue. The product was affinity purified from monospecific antiserum by immunoaffinity purification. Antiserum was first purified against the phosphorylated form of the immunizing peptide. The resultant affinity purified antibody is phospho specific to yeast pS1260.</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Rabbit
Gene ID	5883
Gene Symbol	RAD9A
Species	Yeast
Specificity/Sensitivity	This affinity purified antibody is directed against the phosphorylated form of yeast Rad9 at the pS1260 residue. The resultant affinity purified antibody is phospho specific to yeast pS1260.
Immunogen	This affinity purified Rad9 [p Ser1260] Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to phosphorylated form of an internal region near aa 1225-1275 from the aa1309 yeast Rad9 protein conjugated to KLH. (Uniprot: P14737)

Product Application Details

Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:5000

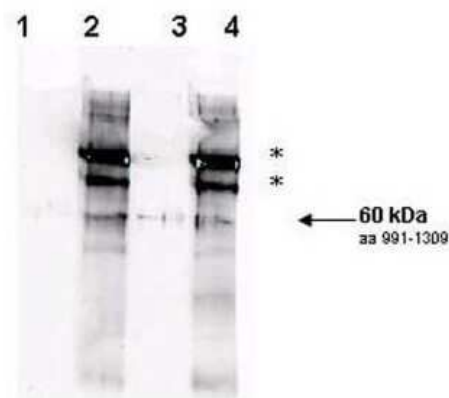


Application Notes

This phospho specific polyclonal antibody was tested by immunoblotting and ELISA. Data from both immunoblotting and ELISA indicate the antibody is reactive with the phosphorylated form of the immunizing peptide and minimally reactive with the non-phosphorylated form of the immunizing peptide. Immunoblotting detects yeast Rad9 protein. No reactivity is expected against the human or mouse analogs of RAD9. Reactivity against RAD9 from other sources is unknown. Cross reactivity may occur with auto-phosphorylated Rad53 kinase. Although not tested, this antibody is likely functional by IHC and IP. This product has been assayed against 0.1 ug of phosphorylated peptide (pS1260) in a standard capture ELISA using TMB (3,3',5,5'-Tetramethylbenzidine) as a substrate for 30 minutes at room temperature. A working dilution of 1:5,000 is suggested for this product. Minimal reactivity was detected against the non-phosphorylated form (S1260) of the immunizing peptide. This antibody appears to be specific for the active form (phosphorylated) of the protein. Dilute the antibody 1:100 to 1:500 for immunoblotting. Researchers should determine optimal titers for other applications.

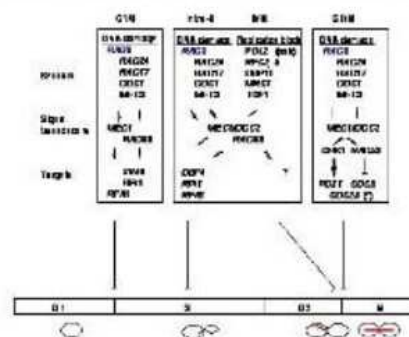
Images

Western Blot: Rad9 [p Ser1260] Antibody [NBP1-77981] - Affinity purified Rad9 [p Ser1260] antibody used at a 1:200 dilution incubated overnight at 4C to detect Rad9 by Western blot. Lanes loaded with 50 ng each of recombinant GST fusion protein containing *S. cerevisiae* Rad9 (aa 991-1309 ~60 kDa) on a 4-20% Criterion gel for SDS-PAGE as follows: Lane 1 - non-phosphorylated wild type yeast Rad9, Lane 2 - in vitro phosphorylated wild type yeast Rad9, Lane 3 - non-phosphorylated S1129A/S1260A double mutant Rad9, Lane 4 - in vitro phosphorylated S1129A/S1260A double mutant. Phosphorylation of Rad9 by treatment with ATP & Rad53 kinase. Rad53 kinase autophosphorylates & appears cross reactive as it is detected on the blot as 90 & 110 kDa bands (asterisk). Detection occurred using a 1:5,000 IRDye(TM)800 conjugated Donkey anti-Rabbit IgG for 1h at room temperature. LICOR's Odyssey (R) Infrared Imaging System was used to scan & process the image.



N/A: Rad9 [p Ser1260] Antibody [NBP1-77981]

Schematic summary of the DNA replication and DNA damage checkpoints in *S. cerevisiae*.





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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-56383PEP	Rad9 Recombinant Protein Antigen

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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