

Product Datasheet

Rad9 Antibody - BSA Free NBP1-77978

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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NBP1-77978

Rad9 Antibody - BSA Free

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 an internal sequence of yeast Rad9 at the S1129 residue. The product was affinity purified from monospecific antiserum by immunoaffinity purification. Antiserum was purified against the immunizing peptide</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
Reactivity Notes	No reactivity is expected against human and mouse homologs. Reactivity to Rad9 from others sources is unknown.
Specificity/Sensitivity	This affinity purified antibody is directed against an internal sequence of yeast Rad9 at the S1129 residue. This pan reactive polyclonal antibody reacts equally with both phosphorylated and non- phosphorylated yeast Rad9 at S1129. No reactivity is expected against human and mouse homologs. Reactivity to Rad9 from others sources is unknown.
Immunogen	This affinity purified Rad9 Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near aa 1120-1145 from the aa1309 yeast Rad9 protein conjugated to KLH. (Uniprot: P14737)

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:100-1:500, ELISA 1:5000



Application Notes

This pan reactive polyclonal antibody was tested by immunoblotting and ELISA. Data from both immunoblotting and ELISA indicate the antibody is pan reactive with both the phosphorylated and non-phosphorylated forms of the peptide and protein. Immunoblotting detects yeast Rad9 protein. No reactivity is expected against human and mouse homologs. Reactivity to Rad9 from others sources is unknown. Although not tested, this antibody is likely functional by immunohistochemistry and immunoprecipitation. This product has been assayed against 0.1 ug of immunizing peptide (S1129) 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. Reactivity was detected against both the phosphorylated and non-phosphorylated form (S1129 and pS1129) of the immunizing peptide. This antibody appears to be pan reactive for both forms 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 Antibody [NBP1-77978] - Used at a 1:200 dilution incubated 8 hr at room temperature to detect Rad9 by Western blot. Lanes were 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.





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Products Related to NBP1-77978

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-87163PEP	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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