

AB-NK237-1

ATR-2 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase ATR



KINEXUS

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Target Protein

Name Long:	Ataxia telangiectasia and Rad3 related protein-serine kinase
Alias:	FRAP-related protein; FRP1; MEC1; SCKL; SCKL1; CCDS3124.1; ENSG00000175054 SCKL1;
UniProt ID:	Q13535
Sequence Predicted Mass (KDa):	301.367 (2644 AA; Q13535); 297.479 (2610 AA; Q13535-3); 294.219 (2580 AA; Q13535-2)
Observed SDS-PAGE Mass (KDa):	270-300

Immunogen

Antibody Immunogen Source:	Human ATR sequence peptide Cat. No.: PE-01ATD85
Antibody Immunogen Sequence:	KISLKGSDGKIFYIMMC
Location in Target:	Corresponds to amino acid residues K2311 to C2326;
Peptide Type:	For pan-specific recognition of target expression levels.
Target Phosphosite:	Not phosphorylated

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipеп peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from each animal was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Antibody Amount:	25 µg
Antibody Concentration:	0.3 / 0.25 mg/ml
Lot Number:	140801 / 160520
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

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Applications

Product Use:	Western blotting Antibody microarrays
Antibody Dilution Recommended:	3 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Detection by Immunoblotting in Cell/Tissue Lysates:	Medium immunoreactivity of a target-sized protein by Western blotting in mouse testes.
Overall Antibody Specificity:	Medium-High selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins detected in A431, HEK-293, HeLa, HepG2, Jurkat and MCF7 cells.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)