

Product Datasheet

VRK1 Antibody - BSA Free NBP1-85822

Unit Size: 0.1 ml

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

www.novusbio.com



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Publications: 6

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Updated 12/2/2025 v.20.1

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NBP1-85822

VRK1 Antibody - BSA Free

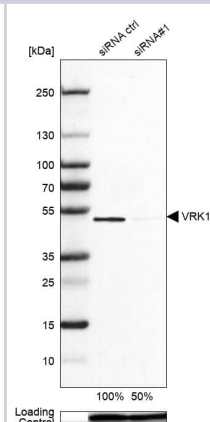
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit VRK1 Antibody - BSA Free (NBP1-85822) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-VRK1 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7443
Gene Symbol	VRK1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: KAAQAGRQSSAKRHLAEQFAVGEIITDMAKKEWKVGLPIGQGGFGCIYLADMN SSESVGSDAPCVVKVEPSDNGPLFTELKIFYQRAAKPEQIQKWIRTRKLLKYLGV PKYWGSGLHDKNGKSYRFMIMDRFGSDLQKI

Product Application Details	
Applications	Western Blot, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Knockdown Validated

Images

Analysis in Rh30 cells transfected with control siRNA, target specific siRNA probe #1, using Anti-VRK1 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



Publications

Cantarero L, Sanz-Garcia M, Vinograd-Byk H et al. VRK1 regulates Cajal body dynamics and protects coilin from proteasomal degradation in cell cycle. *Sci Rep* 2015-06-12 [PMID: 26068304] (ICC/IF, Human)

Salzano M, Vazquez-Cedeira M, Sanz-Garcia M et al. Vaccinia-related kinase 1 (VRK1) confers resistance to DNA-damaging agents in human breast cancer by affecting DNA damage response. *Oncotarget* 2014-04-15 [PMID: 24731990] (IF/IHC, Human)

Molitor TP, Traktman P. Depletion of the protein kinase VRK1 disrupts nuclear envelope morphology and leads to BAF retention on mitotic chromosomes. *Mol Biol Cell* 2014-03-01 [PMID: 24430874] (ICC/IF, WB, Human)

Molitor TP, Traktman P. Molecular genetic analysis of VRK1 in mammary epithelial cells: depletion slows proliferation in vitro and tumor growth and metastasis in vivo. *Oncogenesis* 2013-06-03 [PMID: 23732708] (WB, Human)

Kim IJ, Quigley D, To MD et al. Rewiring of human lung cell lineage and mitotic networks in lung adenocarcinomas. *Nat Commun* 2013-01-01 [PMID: 23591868]

Sanz-Garcia M, Monsalve DM, Sevilla A et al. Vaccinia-related Kinase 1 (VRK1) Is an Upstream Nucleosomal Kinase Required for the Assembly of 53BP1 Foci in Response to Ionizing Radiation-induced DNA Damage. *J Biol Chem* 2012-07-06 [PMID: 22621922]





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Products Related to NBP1-85822

NBP1-85822PEP	VRK1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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