

Product Datasheet

VRK1 Antibody NBP1-89548

Unit Size: 0.1 ml

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

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Publications: 1

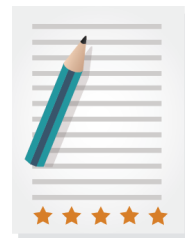
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NBP1-89548**VRK1 Antibody****Product Information**

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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

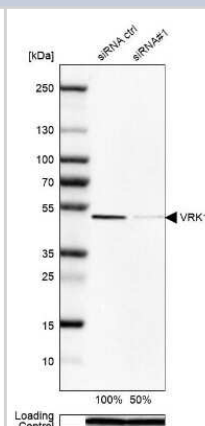
Host	Rabbit
Gene ID	7443
Gene Symbol	VRK1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LPWEDNLKDPKYVRDSKIRYRENIASLMDKCFPEKNKPGEIAKYMETVKLLDYT EKPLYENLRDILLQGLKAIGSKDDGKLDLSVVENGGLKAKTITKKRKKEIEESKE PGVEDTEWSNTQTEEAQTRSRTR

Product Application Details

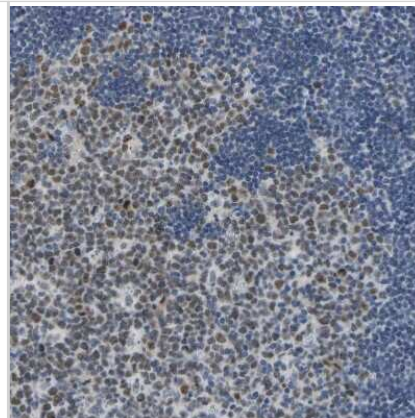
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100.

Images

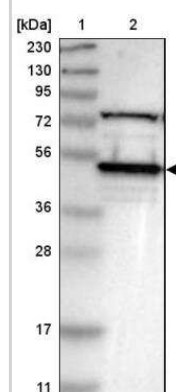
Western Blot: VRK1 Antibody [NBP1-89548] - Analysis in Rh30 cells transfected with control siRNA, target specific siRNA probe #1, using Anti-VRK1 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



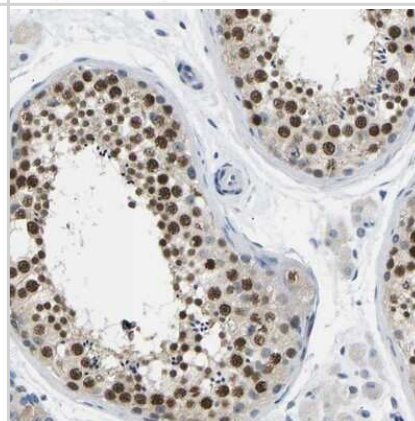
Immunohistochemistry-Paraffin: VRK1 Antibody [NBP1-89548] - Staining of human tonsil shows moderate nuclear positivity in germinal center cells.



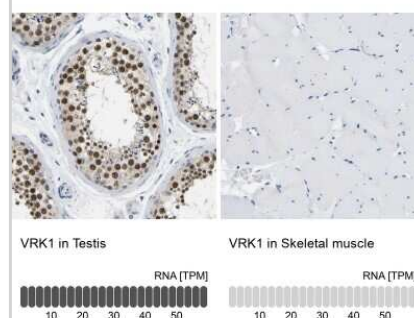
Western Blot: VRK1 Antibody [NBP1-89548] - Lane 1: Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11. Lane 2: Human cell line RT-629



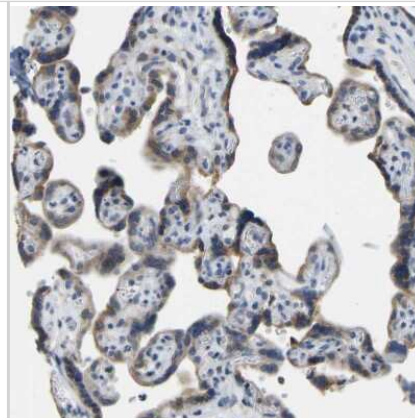
Immunohistochemistry-Paraffin: VRK1 Antibody [NBP1-89548] - Staining of human testis shows strong nuclear positivity in cells of seminiferous ducts.



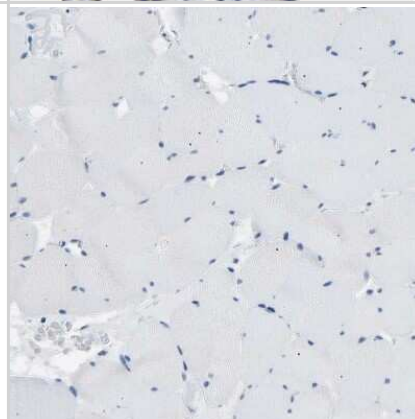
Immunohistochemistry-Paraffin: VRK1 Antibody [NBP1-89548] - Analysis in human testis and skeletal muscle tissues. Corresponding VRK1 RNA-seq data are presented for the same tissues.



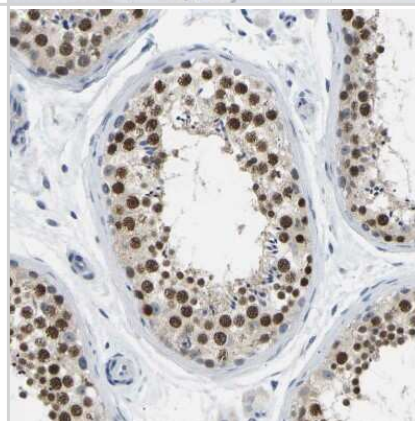
Immunohistochemistry: VRK1 Antibody [NBP1-89548] - Staining of human placenta shows moderate cytoplasmic positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: VRK1 Antibody [NBP1-89548] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry-Paraffin: VRK1 Antibody [NBP1-89548] - Staining of human testis shows strong nuclear positivity in cells in seminiferous ducts.



Publications

Sikorski K, Mehta A et al. A high-throughput pipeline for validation of antibodies. Nat Methods 2018-01-11 [PMID: 30377371] (Human)

Details:

Antibody validation based on denaturing gel electrophoresis of biotinylated cell lysates (PAGE) followed by mass spectrometry (MS) and antibody array analysis (MAP).



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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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