


Product datasheet

Anti-hnRNP K antibody ab264138

3 Images

Overview

Product name	Anti-hnRNP K antibody
Description	Rabbit polyclonal to hnRNP K
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Cow, Orangutan 
Immunogen	Synthetic peptide within Human hnRNP K aa 1-50. The exact sequence is proprietary. Database link: P61978
Positive control	IHC-P: Human ovarian carcinoma. Mouse squamous cell carcinoma. IP: HeLa whole cell lysate. WB: HeLa, HEK-293T and NIH/3T3 whole cell lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: Tris buffered saline, 0.1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab264138 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000.
IP		Use at 1-4 µg/mg of lysate.
IHC-P		1/500 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

One of the major pre-mRNA-binding proteins. Binds tenaciously to poly(C) sequences. Likely to play a role in the nuclear metabolism of hnRNAs, particularly for pre-mRNAs that contain cytidine-rich sequences. Can also bind poly(C) single-stranded DNA.

Sequence similarities

Contains 3 KH domains.

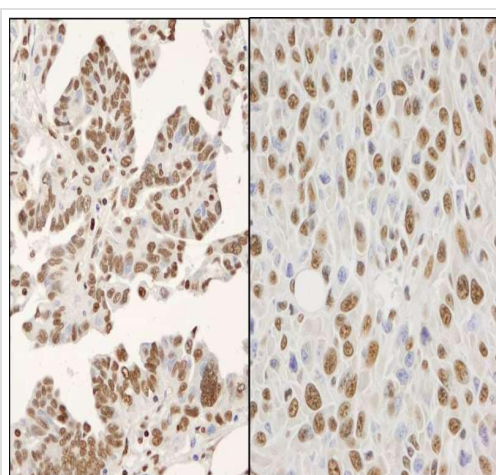
Post-translational modifications

Arg-296 and Arg-299 are dimethylated, probably to asymmetric dimethylarginine.

Cellular localization

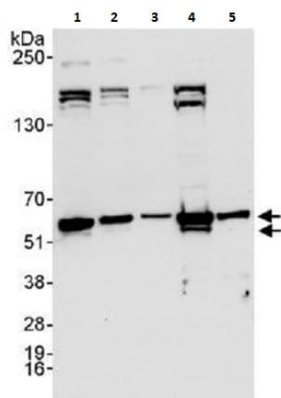
Cytoplasm. Nucleus > nucleoplasm. In case of ASFV infection, there is a shift in the localization which becomes predominantly nuclear.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human ovarian carcinoma (left panel) and mouse squamous cell carcinoma (right panel) tissue labeling hnRNP K with ab264138 at 1/1,000 dilution. Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP K antibody (ab264138)



Western blot - Anti-hnRNP K antibody (ab264138)

All lanes : Anti-hnRNP K antibody (ab264138) at 0.04 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

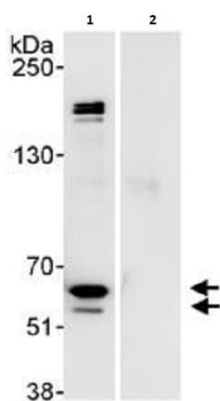
Lane 3 : HeLa whole cell lysate at 5 µg

Lane 4 : HEK-293T whole cell lysate at 50 µg

Lane 5 : NIH/3T3 whole cell lysate at 50 µg

Exposure time: 10 seconds

4-20% SDS-PAGE



Immunoprecipitation - Anti-hnRNP K antibody (ab264138)

hnRNP K was immunoprecipitated from 1mg of HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate with ab264138 at 3 µg/mg lysate. Western blot was performed from the immunoprecipitate using ab264138 at 1 µg/ml.

Lane 1: ab264138 IP in HeLa whole cell lysate.

Lane 2: Control IgG.

Exposure time: 10 secs.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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