


Product datasheet

Anti-hnRNP K (phospho S284) antibody [EPR944] ab134060

Recombinant RabMAb

[1 References](#) [4 Images](#)

Overview

Product name	Anti-hnRNP K (phospho S284) antibody [EPR944]
Description	Rabbit monoclonal [EPR944] to hnRNP K (phospho S284)
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human hnRNP K (internal sequence). The exact sequence is proprietary.
Positive control	Jurkat and A549 cell lysates; Human breast carcinoma tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number EPR944
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab134060 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		1/50000 - 1/200000. Predicted molecular weight: 50 kDa.

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

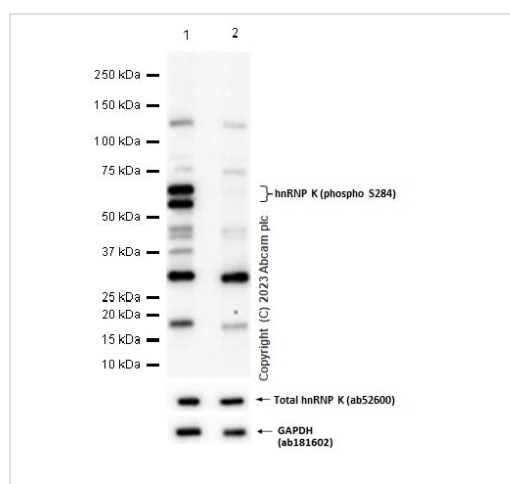
Function One of the major pre-mRNA-binding proteins. Binds tenaciously to poly(C) sequences. Likely to play a role in the nuclear metabolism of hnRNAs, particularly for pre-mRNAs that contain cytidine-rich sequences. Can also bind poly(C) single-stranded DNA.

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



Western blot - Anti-hnRNP K (phospho S284) antibody [EPR944] (ab134060)

All lanes : Anti-hnRNP K (phospho S284) antibody [EPR944] (ab134060) at 1/1000 dilution

Lane 1 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate

Lane 2 : Jurkat (Human T cell leukemia cell line from peripheral blood) lysate and the membrane was incubated with alkaline phosphatase

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

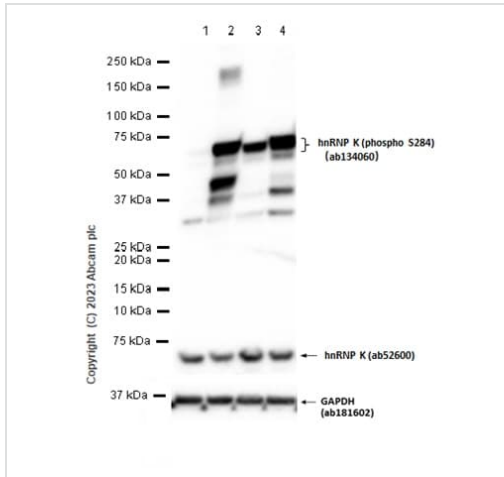
Predicted band size: 50 kDa

Observed band size: 55, 60 kDa

Exposure time: 180 seconds

Blocking/Diluting buffer and concentration 5% NFDm/TBST

Two bands observed corresponding to isoforms.



Western blot - Anti-hnRNP K (phospho S284) antibody [EPR944] (ab134060)

All lanes :

Lane 1 : Untreated Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate

Lane 2 : Jurkat (Human T cell leukemia cell line from peripheral blood) treated with 100ng/ml Calyculin A for 30 min whole cell lysate

Lane 3 : Untreated HeLa (Human cervix adenocarcinoma epithelial cell)) whole cell lysate

Lane 4 : HeLa (Human cervix adenocarcinoma epithelial cell) treated with 100ng/ml Calyculin A for 17 hours whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

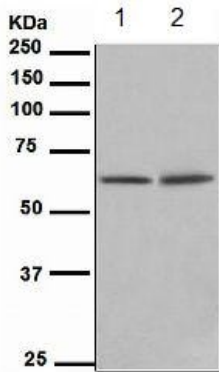
Predicted band size: 50 kDa

Observed band size: 55,60 kDa

Exposure time: 3 seconds

Two bands observed corresponding to isoforms.

Blocking and diluting buffer: 5% NFDm/TBST



Western blot - Anti-hnRNP K (phospho S284) antibody [EPR944] (ab134060)

All lanes : Anti-hnRNP K (phospho S284) antibody [EPR944] (ab134060) at 1/50000 dilution

Lane 1 : Jurkat cell lysate

Lane 2 : A549 cell lysate





Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 50 kDa

Why choose a recombinant antibody?

 Research with confidence Consistent and reproducible results	 Long-term and scalable supply Recombinant technology
 Success from the first experiment Confirmed specificity	 Ethical standards compliant Animal-free production

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