

hnRNP K (Phospho-Ser216) Antibody

Catalog No: #12140

Package Size: #12140-1 50ul #12140-2 100ul

Orders: order@signalwayantibody.com

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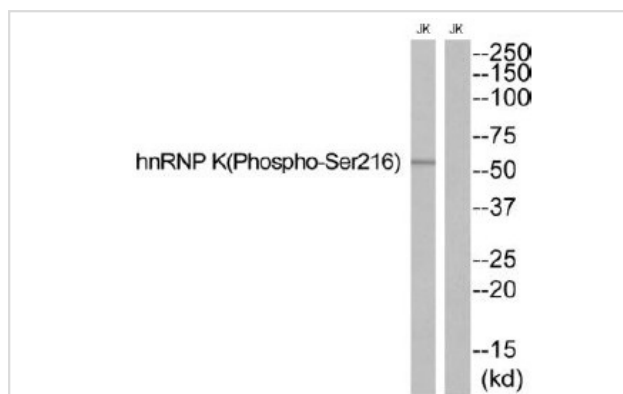
Description

Product Name	hnRNP K (Phospho-Ser216) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of hnRNP K only when phosphorylated at serine 216.
Immunogen Type	peptide
Immunogen Description	Peptide sequence around phosphorylation site of serine 216 (S-E-S(p)-P-I) derived from Human hnRNP K.
Target Name	hnRNP K
Modification	Phospho
Other Names	Heterogeneous nuclear ribonucleoprotein K;hnRNP K;Transformation up-regulated nuclear protein; TUNP
Accession No.	Swiss-Prot#:P61978;NCBI Gene#:3190
Uniprot	P61978
GeneID	3190;
SDS-PAGE MW	55kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from JurKat cells, using hnRNP K (Phospho-Ser216) antibody #12140. The lane on the right is treated with the synthesized peptide.

Background

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. Plays an important role in p53/TP53 response to DNA damage, acting at the level of both transcription activation and repression. When sumoylated, acts as a transcriptional coactivator of p53/TP53, playing a role in p21/CDKN1A and 14-3-3 sigma/SFN induction. By similarity. As far as transcription repression is concerned, acts by interacting with long intergenic RNA p21 (lincRNA-p21), a non-coding RNA induced by p53/TP53. This interaction is necessary for the induction of apoptosis, but not cell cycle arrest.

Note: This product is for in vitro research use only