

hnRNP A1(Ab-192) Antibody

Catalog No: #21555

Package Size: #21555-1 50ul #21555-2 100ul

Description

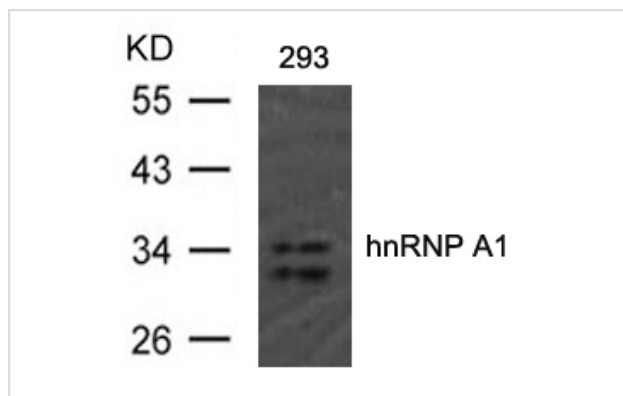
Product Name	hnRNP A1(Ab-192) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total hnRNP A1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.190~194(S-S-Q-R)derived from Human hnRNP A1.
Conjugates	Unconjugated
Target Name	hnRNP A1
Other Names	HNRPA1; HNRPA1L3; hnRNP A1; hnRNP-A1; MGC102835
Accession No.	Swiss-Prot: P09651NCBI Protein: NP_002127.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL 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 for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 34, 39 kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extract from 293 cells using hnRNP A1(Ab-192) Antibody #21555.

Background

Heterogeneous nuclear ribonucleoprotein A1 (hnRNP A1) is a member of the hnRNP A/B family of related RNA binding proteins that bind pre-mRNA and are involved in the processing, metabolism and transport of nuclear pre-mRNA transcripts . hnRNP A1 regulates the alternative splicing of c-Src, c-H-Ras and modifies initiation of translation of the fibroblast growth factor 2 mRNA. hnRNP A1 expression level is elevated in many cancers; knockdown of hnRNP A1 leads to apoptosis in various cancer cells . Although predominantly nuclear, hnRNP A1 is continually transported from the nucleus to the cytoplasm where it disassociates from mRNA and is rapidly re-imported into the nucleus . hnRNP A1 binds to cis-acting repressive sequences (CRS) of HIV-1 to influence HIV-1 production . HIV-1 enhances hnRNP A1 expression and promotes the relocalization of hnRNP A1 to the cytoplasm ,

Myer, V.E. and Steitz, J.A. (1995) RNA 1, 171-82.

Rooke, N. et al. (2003) Mol Cell Biol 23, 1874-84.

Guil, S. et al. (2003) Mol Cell Biol 23, 2927-41.

Bonnal, S. et al. (2005) J Biol Chem 280, 4144-53.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.