

Product datasheet for **AP20424PU-S**

HNRPH1 (HNRNPH1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on paraffin sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of hnRNP H protein. (region surrounding Arg192)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 15 mM sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen; purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 50 kDa
Gene Name:	heterogeneous nuclear ribonucleoprotein H1 (H)
Database Link:	<u>Entrez Gene 59013 Mouse</u> <u>Entrez Gene 140931 Rat</u> <u>Entrez Gene 3187 Human</u> <u>P31943</u>



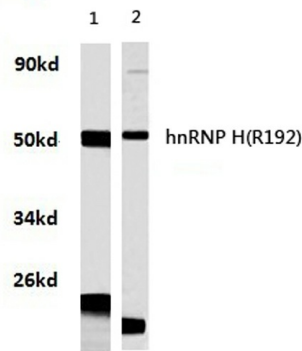
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Background:

Heterogeneous nuclear ribonucleoproteins (hnRNPs) constitute a set of polypeptides that contribute to pre-mRNA processing and transport, and also bind heterogeneous nuclear RNA (hnRNA), which are the transcripts produced by RNA polymerase II. hnRNP complexes are the major constituents of the spliceosome and in particular, the hnRNP A1 protein is one of the major premRNA/ mRNA binding proteins and also one of the most abundant proteins in the nucleus. hnRNP A1 and A2/B1 regulate the processing of pre-mRNA by directly antagonizing the association of various splicing factors and by influencing the splice site selection on pre-mRNA. The majority of hnRNP proteins components are localized to the nucleus; however some shuttle between the nucleus and the cytoplasm. Most hnRNP proteins, including hnRNP C1 and C2, contain one or more RNA binding domains and are implicated in the processing of pre-mRNA. hnRNPs F and H are largely related factors that preferentially associate with poly(rG) regions on RNA. Isoforms of these proteins are often generated by alternative processing of the premRNA and by posttranslational modifications such as phosphorylation on serines and threonines and methylation of arginines.

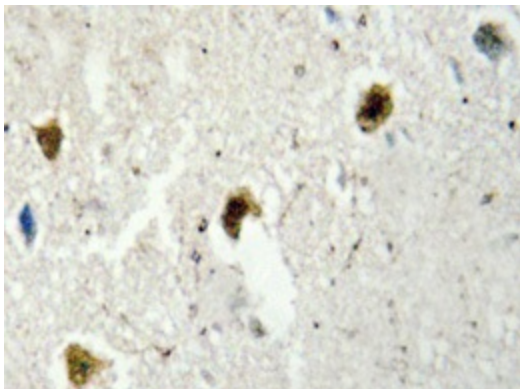
Synonyms:

Heterogeneous nuclear ribonucleoprotein H, HNRPH, HNRPH1

Product images:


Lane 1: A549 whole cell lysate
 Lane 2: Hela whole cell lysate
 hnRNP H (R192) pAb at 1:500 dilution

Western blot (WB) analysis of hnRNP H antibody (Cat.-No.: [AP20424PU-N]) in extracts from hela and A549 cells.



Immunohistochemistry analyzes of hnRNP H antibody (Cat.-No.: [AP20424PU-N]) in paraffin-embedded human brain tissue.