



hnRNP H Polyclonal Antibody

Catalog No	YP-Ab-01807
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	HNRNPH1/HNRNPH2
Immunogen	The antiserum was produced against synthesized peptide derived from human hnRNP H. AA range:156-205
Specificity	hnRNP H Polyclonal Antibody detects endogenous levels of hnRNP H protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Heterogeneous nuclear ribonucleoprotein H;N-terminally processed;hnRNP H; hnRNPH;HNRPH;HNRPH1;HNRNPH1/HNRNPH2;Heterogeneous nuclear ribonucleoprotein H/H2;HNRNPH1;HNRNPH2;FTP3;HNRPH2;Heterogeneous nuclear ribonucleoprotein H2;hnRNP H2;FTP-3;Heterogeneous nuclear ribonucleoprotein H';hnRNP H'
Observed Band	49kD
Calculated Molecular Weight	49kD
Cell Pathway	Nucleus, nucleoplasm.
Tissue Specificity	Expressed ubiquitously.
Function	domain:Each quasi-RRM repeat bound poly(RG), while only the N-terminal QRRM bound poly(RC) and poly(RU). None of the repeats bound detectable amounts of poly(RA).,function:This protein is a component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complexes which provide the substrate for the processing events that pre-mRNAs undergo before becoming functional, translatable mRNAs in the cytoplasm. Binds poly(RG).,similarity:Contains 3 RRM (RNA recognition motif) domains.,subunit:Part of a ternary complex containing FUBP2, PTBP1, PTBP2 and HNRNPH1. Identified in the



spliceosome C complex, at least composed of AQR, ASCC3L1, C19orf29, CDC40, CDC5L, CRNKL1, DDX23, DDX41, DDX48, DDX5, DGCR14, DHX35, DHX38, DHX8, EFTUD2, FRG1, GPATC1, HNRPA1, HNRPA2B1, HNRPA3, HNRPC, HNRPF, HNRNPH1, HNRPK, HNRPM, HNRPR, HNRPU, KIAA1160, KIAA1604, LSM2, LSM3, MAGOH, MORG1, PABPC1, PLRG1, PNN, PPIE, PPIL1,

Background

heterogeneous nuclear ribonucleoprotein H1 (H)(HNRNPH1) Homo sapiens
This gene encodes a member of a subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins that complex with heterogeneous nuclear RNA. These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some may shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has three repeats of quasi-RRM domains that bind to RNA and is very similar to the family member HNRPF. This gene may be associated with hereditary lymphedema type I. Alternatively spliced transcript variants have been described [provided by RefSeq, Mar 2012],

matters needing attention

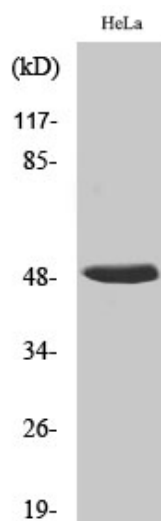
Avoid repeated freezing and thawing!

Usage suggestions

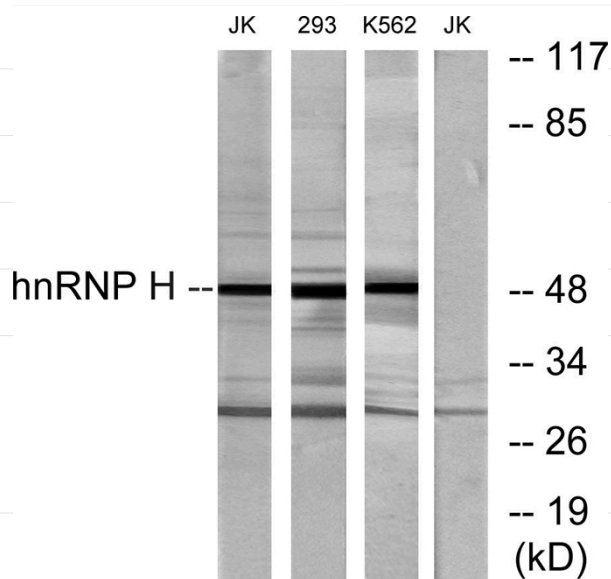
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



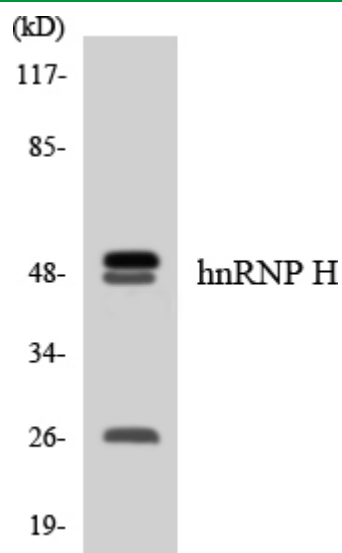
Products Images



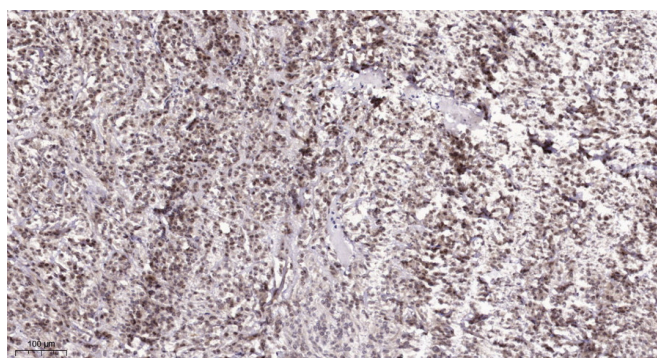
Western Blot analysis of various cells using hnRNP H Polyclonal Antibody



Western blot analysis of lysates from Jurkat, 293, and K562 cells, using hnRNP H Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using hnRNP H antibody.



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).