

**hnRNP LL Antibody**

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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H M R	Endogenous	61	Rabbit	#Q8WVV9	92906

**Product Usage Information****Application**

Western Blotting  
Immunoprecipitation

**Dilution**

1:1000  
1:50

**Storage**

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

**Specificity/Sensitivity**

hnRNP LL Antibody detects endogenous levels of total hnRNP LL protein.

**Source / Purification**

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human hnRNP LL protein. Antibodies are purified by protein A and peptide affinity chromatography.

**Background**

Heterogeneous nuclear ribonucleoprotein L-like (hnRNP LL) is a nuclear RNA-binding protein that shares 69% amino acid homology with hnRNP L, a component of the hnRNP complex that regulates mRNA formation, packaging, and processing (1). hnRNP LL is induced in activated T cells and functions as a critical regulator of alternative splicing of CD45, a tyrosine phosphatase crucial for T cell development and activation (2). hnRNP LL also regulates the splicing of CD44 and Stat5a (2). The four isoforms of hnRNP LL are generated by alternative splicing and are widely expressed in human tissues (3).

**Background References**

1. Pinol-Roma, S. et al. (1989) *J Cell Biol* 109, 2575-87.
2. Oberdoerffer, S. et al. (2008) *Science* 321, 686-91.
3. Shur, I. et al. (2004) *Gene* 334, 113-21.

**Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Western Blot Buffer**

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key**

**W:** Western Blotting **IP:** Immunoprecipitation

**Cross-Reactivity Key**

**H:** Human **M:** Mouse **R:** Rat

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