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#65043**hnRNP L (E5J7B) Rabbit mAb**

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H M R Mk	Endogenous	60, 66	Rabbit IgG	#P14866	3191

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, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. *Do not aliquot the antibody.*

Specificity/Sensitivity

hnRNP L (E5J7B) Rabbit mAb recognizes endogenous levels of total hnRNP L protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro314 of human hnRNP L protein.

Background

Heterogeneous nuclear ribonucleoprotein L (hnRNP L) belongs to a family of RNA binding multiprotein complexes (hnRNP proteins) that facilitate pre-mRNA processing and transport of mRNA from the nucleus to cytoplasm (1-3). hnRNP L binds to CA repeat elements to regulate splicing and RNA stability (4-6). Binding of hnRNP L has been shown to occur in response to stress stimuli to regulate conformational change and subsequent translation of mRNAs (7). hnRNPL can promote apoptosis by enhancing translation of p53 mRNA (8). In the context of tumor progression, hnRNPL has been shown to bind and modify translation of critical regulators of cell cycle and apoptosis (9,10).

Background References

- Piñol-Roma, S. et al. (1989) *J Cell Biol* 109, 2575-87.
- Dreyfuss, G. et al. (1993) *Annu Rev Biochem* 62, 289-321.
- Liu, X. and Mertz, J.E. (1995) *Genes Dev* 9, 1766-80.
- Hui, J. et al. (2003) *RNA* 9, 931-6.
- Hui, J. et al. (2005) *EMBO J* 24, 1988-98.
- Hung, L.H. et al. (2008) *RNA* 14, 284-96.
- Ray, P.S. et al. (2009) *Nature* 457, 915-9.
- Seo, J.Y. et al. (2017) *Oncotarget* 8, 51108-51122.
- Zhou, X. et al. (2017) *Oncotarget* 8, 19342-19353.
- Lv, D. et al. (2017) *Oncotarget* 8, 13586-13599.

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 **Mk:** Monkey

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