

Store at
-20C
#65043**hnRNP L (E5J7B) Rabbit mAb**

Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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 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
Source / Purification**

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

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

1. Piñol-Roma, S. et al. (1989) *J Cell Biol* 109, 2575-87.
2. Dreyfuss, G. et al. (1993) *Annu Rev Biochem* 62, 289-321.
3. Liu, X. and Mertz, J.E. (1995) *Genes Dev* 9, 1766-80.
4. Hui, J. et al. (2003) *RNA* 9, 931-6.
5. Hui, J. et al. (2005) *EMBO J* 24, 1988-98.
6. Hung, L.H. et al. (2008) *RNA* 14, 284-96.
7. Ray, P.S. et al. (2009) *Nature* 457, 915-9.
8. Seo, J.Y. et al. (2017) *Oncotarget* 8, 51108-51122.
9. Zhou, X. et al. (2017) *Oncotarget* 8, 19342-19353.
10. 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

Trademarks and Patents

Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.

XP is a registered trademark of Cell Signaling Technology, Inc.

All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.

Limited Uses

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any

purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.

Orders: 877-616-CELL (2355) • orders@cellsignal.com • Support: 877-678-TECH (8324) • info@cellsignal.com • Web: cellsignal.com
For Research Use Only. Not for Use in Diagnostic Procedures.