

#8534 Store at -20°C

hnRNP E1 Antibody


Cell Signaling
TECHNOLOGY®

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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB, IP	H M R	Endogenous	40	Rabbit	#Q15365	5093

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 E1 Antibody recognizes endogenous levels of total hnRNP E1 protein.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys237 of human hnRNP E1 protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

hnRNP E1 is a member of the hnRNP family of proteins that are involved in pre-mRNA processing and mRNA export, localization, stability, and translation (1-6). hnRNP E1 exerts a wide range of biological functions, such as transcriptional activation of mouse MOR gene expression (7), attenuation of alternative splicing of GHR pseudoxon expression (8), stabilization of collagen I and II (9), beta-globin (10), and androgen receptor (11) mRNAs, and regulation of translation of various genes including Dab2, ILEI, and Bag-1 (12,13). hnRNP E1 is ubiquitously expressed. Phosphorylation of hnRNP E1 affects its RNA binding affinity (13,14).

Background References

1. Cáceres, J.F. et al. (1994) *Science* 265, 1706-9.
2. Gallouzi, I.E. and Steitz, J.A. (2001) *Science* 294, 1895-901.
3. Carson, J.H. et al. (2001) *Results Probl Cell Differ* 34, 69-81.
4. Xu, K. et al. (2001) *J Immunol* 166, 6358-66.
5. Habelhah, H. et al. (2001) *Nat Cell Biol* 3, 325-30.
6. Dreyfuss, G. et al. (2002) *Nat Rev Mol Cell Biol* 3, 195-205.
7. Kim, S.S. et al. (2005) *Mol Pharmacol* 68, 729-36.
8. Akker, S.A. et al. (2007) *Mol Endocrinol* 21, 2529-40.
9. Thiele, B.J. et al. (2004) *Circ Res* 95, 1058-66.
10. Yu, J. and Russell, J.E. (2001) *Mol Cell Biol* 21, 5879-88.
11. Yeap, B.B. et al. (2002) *J Biol Chem* 277, 27183-92.
12. Pickering, B.M. et al. (2003) *Nucleic Acids Res* 31, 639-46.
13. Chaudhury, A. et al. (2010) *Nat Cell Biol* 12, 286-93.
14. Leffers, H. et al. (1995) *Eur J Biochem* 230, 447-53.

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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster
X: Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse
GP: Guinea Pig **Rab:** rabbit **All:** all species expected

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