

**hnRNP E1 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	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 pseudoexon 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**

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9. Thiele, B.J. et al. (2004) *Circ Res* 95, 1058-66.
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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.
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**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**

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

**Cross-Reactivity Key**

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

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