

Store at  
-20C  
#83017**hnRNP E2/PCBP2 (D1S5E) Rabbit mAb**

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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	H M R	Endogenous	35-45	Rabbit IgG	#Q15366	5094

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

Western Blotting

**Dilution**

1:1000

**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 E2/PCBP2 (D1S5E) Rabbit mAb recognizes endogenous levels of total hnRNP E2/PCBP2 protein.

**Source / Purification**

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu243 of human hnRNP E2/PCBP2 protein.

**Background**

PCBP2 (also known as hnRNP E2) is an RNA-binding protein that interacts in a sequence-specific fashion with single-stranded poly (rC). Through their poly(rC)-binding ability, PCBPs regulate mRNA stability and translation (1,2). PCBP2 is an iron chaperone; it delivers iron to ferritin for storage and mediates metalation of certain iron-containing proteins (3-5). PCBP2 interacts with the iron importer DMT1 (divalent metal transporter 1) and the iron exporter FPN1 (ferroportin 1) and regulates their activities (6,7). PCBP2 is induced by viral infection and targets MAVS for polyubiquitination and degradation (8-10). Recent reports demonstrate that it is involved in Hippo signaling, miRNA processing, immune suppression, and cancer (11-15).

**Background References**

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

**Applications Key**

**W:** Western Blotting

**Cross-Reactivity Key**

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

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