

# hnRNP E2/PCBP2 Rabbit mAb

Catalog No.: A23987

Recombinant

1 Publications

## Basic Information

**Observed MW**

35-45kDa

**Calculated MW**

39kDa

**Category**

Primary antibody

**Applications**

WB, IP, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC56507

## Background

The protein encoded by this gene appears to be multifunctional. Along with PCBP-1 and hnRNPK, it is one of the major cellular poly(rC)-binding proteins. The encoded protein contains three K-homologous (KH) domains which may be involved in RNA binding. Together with PCBP-1, this protein also functions as a translational coactivator of poliovirus RNA via a sequence-specific interaction with stem-loop IV of the IRES, promoting poliovirus RNA replication by binding to its 5'-terminal cloverleaf structure. It has also been implicated in translational control of the 15-lipoxygenase mRNA, human papillomavirus type 16 L2 mRNA, and hepatitis A virus RNA. The encoded protein is also suggested to play a part in formation of a sequence-specific alpha-globin mRNP complex which is associated with alpha-globin mRNA stability. This multiexon structural mRNA is thought to be retrotransposed to generate PCBP-1, an intronless gene with functions similar to that of PCBP2. This gene and PCBP-1 have paralogous genes (PCBP3 and PCBP4) which are thought to have arisen as a result of duplication events of entire genes. This gene also has two processed pseudogenes (PCBP2P1 and PCBP2P2). Multiple transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

**WB** 1:1000 - 1:2000**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

## Immunogen Information

**Gene ID**

5094

**Swiss Prot**

Q15366

**Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**

HNRPE2; HNRNPE2; hnRNP-E2; hnRNP E2/PCBP2

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

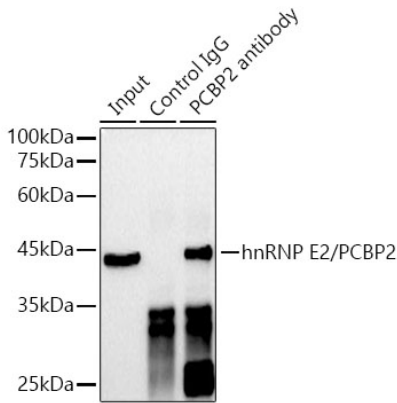
Affinity purification

**Storage**

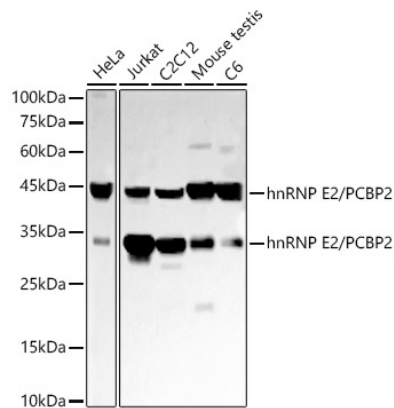
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Immunoprecipitation analysis of 300ug extracts of HeLa cells using 3ug hnRNP E2/PCBP2 Rabbit mAb (A23987). Western blot was performed from the immunoprecipitate using hnRNP E2/PCBP2 Rabbit mAb (A23987) at a diltion of 1:1000.



Western blot analysis of various lysates, using hnRNP E2/PCBP2 (A23987) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.