

hnRNP E2/PCBP2 Rabbit mAb

Catalog No.: A23987 Recombinant

Basic Information

Observed MW

35kDa/45kDa

Calculated MW

39kDa

Category

Primary antibody

Applications

ELISA,WB,IP

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 - 1:5000

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

5094

Swiss Prot

Q15366

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 150-250 of human hnRNP E2/PCBP2 (NP_001122383.1).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

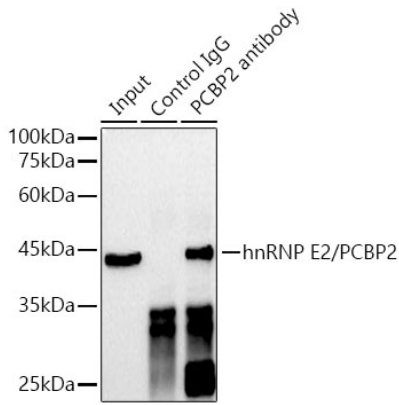
Affinity purification

Storage

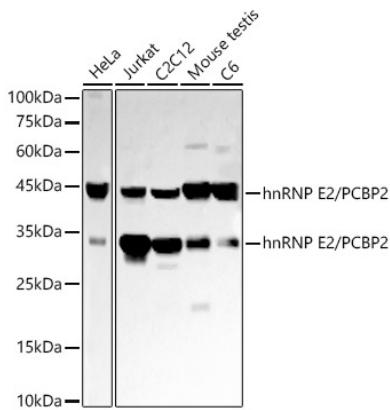
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

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 dilution of 1:1000.



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