hnRNP E2/PCBP2 Monoclonal Antibody

CAB21119

AssayGenie

Product Information

Product SKU:	CAB21119	**Gene ID**:	5094	**Size**:	20uL, 100uL
Clone No:	ARC2994	**Host Species:**	Rabbit	**Reactivity**:	Human,Mouse,Rat

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Additional Information

Observed MW:	35-45kDa	**Conjugate:**	Unconjugated
Calculated MW:	39kDa	**Isotype:**	IgG

Immunogen Information

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 Dilution: WB,1:500 - 1:1000 IP,0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

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

Purifcation Method: Affinity purification

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 220-350aa of human hnRNP E2/PCBP2 (NP_001122383.1)

Storage: Store at -20℃. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.