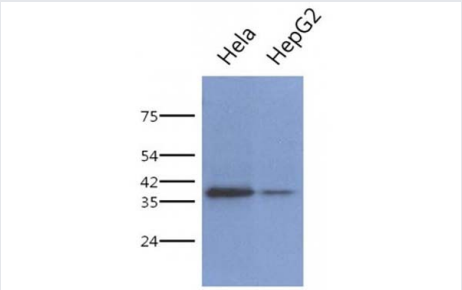
PCBP1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PCBP1, Monoclonal Antibody
Full Product Name	PCBP1 antibody
Product Gene Name	anti-PCBP1 antibody
Product Synonym Names	Mouse monoclonal PCBP1 antibody; Monoclonal PCBP1 antibody; Anti-PCBP1 antibody; Poly(rC) binding protein 1 antibody; hnRNP-E1 antibody; hnRNP-X antibody; HNRPE1 antibody; HNRPX antibody
Clonality	Monoclonal
Isotype	IgG2a kappa
Clone Number	AT2A10
Host	Mouse
Form/Format	Liquid form in Phosphate-Buffered Saline (pH 7.4) containing 10% Glycerol,0.02% Sodium Azide.
Purity/Purification	Purified by protein-A affinity chromatography
Concentration	1 mg/ml (lot specific)
Preparation and Storage	Can be stored at 4 degree C short term. For long term storage, aliquot and store at-20 degree C or-70 degree C. Avoid repeated freezing and thawing cycles.
Molecular Weight	37,498 Da
OMIM	601209
3D Structure	ModBase 3D Structure for Q15365
Immunogen	PCBP1 antibody was raised in Mouse using recombinant human PCBP1 (1-163aa) purified from E Coli as the immunogen
Product Categories/Family for anti-PCBP1 antibody	DNA & RNA
Applications Tested/Suitable for anti-PCBP1 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-PCBP1 antibody	ELISA: 1:500 WB: 1:500
Related Product Information for anti-PCBP1 antibody	PCBP-1 and PCBP-2 have paralogues (PCBP3 and PCBP4) which are thought to have arisen as a result of duplication events of entire genes. PCBP1 constitutes a set of polypeptides that contribute to mRNA transcription, pre-mRNA processing as well as mature mRNA transport to the cytoplasm and translation. It has also been implicated in translational control of the 15-lipoxygenase mRNA, human Papillomavirus type 16 L2 mRNA, and hepatitis A virus RNA.
Other Notes	Small volumes of anti-PCBP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PCBP1 purchase	MBS5310672 is an antibody targeting PCBP1. Also known as PCBP1 antibody. Host: Mouse.



Testing Data of anti-PCBP1 antibody
The lysate of Hela (40 ug) and HepG2(40 ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with PCBP1 antibody (1:500).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PCBP1. It may not necessarily be applicable to this product.

NCBI GI #	222352151
NCBI GeneID	5093
NCBI Accession #	NP_006187.2
UniProt Primary Accession #	Q15365
UniProt Secondary Accession #	Q13157; Q14975
UniProt Related Accession #	Q15365
GenBank Nucleotide #	NM_006196.3
NCBI Official Full Name	poly(rC)-binding protein 1
NCBI Official Synonym Full Names	poly(rC) binding protein 1
NCBI Official Symbol	PCBP1
NCBI Official Synonym Symbols	HNRPX; HNRPE1; hnRNP-X; HEL-S-85; hnRNP-E1
UniProt Protein Name	Poly(rC)-binding protein 1
UniProt Synonym Protein Names	Alpha-CP1; Heterogeneous nuclear ribonucleoprotein E1; hnRNP E1; Nucleic acid-binding protein SUB2.3
Protein Family	Poly(rC)-binding protein
UniProt Gene Name	PCBP1
UniProt Synonym Gene Names	hnRNP E1
NCBI Protein Information	poly(rC)-binding protein 1
NCBI Summary for PCBP1	This intronless gene is thought to have been generated by retrotransposition of a fully processed PCBP-2 mRNA. This gene and PCBP-2 have paralogues (PCBP3 and PCBP4) which are thought to have arisen as a result of duplication events of entire genes. The protein encoded by this gene appears to be multifunctional. It along with PCBP-2 and hnRNPK corresponds to the major cellular poly(rC)-binding protein. It contains three K-homologous (KH) domains which may be involved in RNA binding. This encoded protein together with PCBP-2 also functions as translational coactivators of poliovirus RNA via a sequence-specific interaction with stem-loop IV of the IRES and promote 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. [provided by RefSeq, Jul 2008]
UniProt Comments for PCBP1	Single-stranded nucleic acid binding protein that binds preferentially to oligo dC. In case of infection by poliovirus, plays a role in initiation of viral RNA replication in concert with the viral protein 3CD (PubMed:12414943).
Research Articles on PCBP1	**1.** UBE4A targets PCBP1 for proteasomal degradation and that UBE4A expression can serve as a novel biomarker in thyroid cancer patients.

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