

## Datasheet

### PCBP1 monoclonal antibody (M01A), clone 1G2

**Catalog Number:** H00005093-M01A

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a partial recombinant PCBP1.

**Clone Name:** 1G2

**Immunogen:** PCBP1 (AAH39742, 181 a.a. ~ 280 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

IPYQPM PASSPVICAGGQDRCSDAAGYPHATHDLEGP  
PLDAYSIQQQHTISPLDLAKLNQVARQQSHFAMMHGG  
TGFAGIDSSSPEVKGYWASLDASTQT

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, WB-Re, WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2a Kappa

**Storage Buffer:** In ascites fluid

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 5093

**Gene Symbol:** PCBP1

**Gene Alias:** HNRPE1, HNRPX, hnRNP-E1, hnRNP-X

**Gene Summary:** 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 hnRNP-K 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]