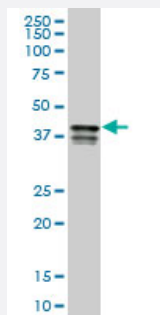


# PCBP2 monoclonal antibody (M06), clone 6B6

Catalog # H00005094-M06

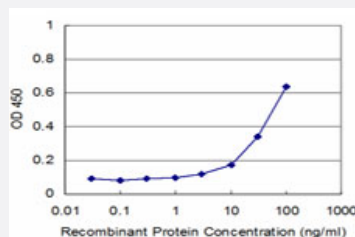
Size 100 ug

## Applications



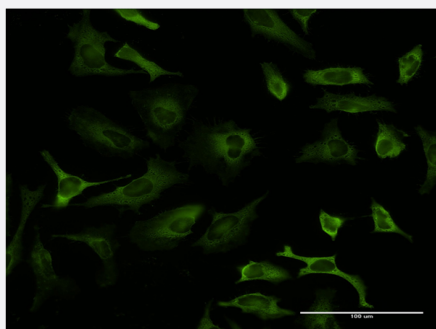
### Western Blot (Cell lysate)

PCBP2 monoclonal antibody (M06), clone 6B6. Western Blot analysis of PCBP2 expression in K-562 ( Cat # L009V1 ).



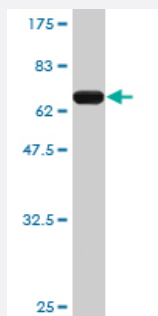
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PCBP2 is approximately 3ng/ml as a capture antibody.



### Immunofluorescence

Immunofluorescence of monoclonal antibody to PCBP2 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (65.56 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a full-length recombinant PCBP2.
<b>Immunogen</b>	PCBP2 (AAH01155, 1 a.a. ~ 362 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MDTGVEGGLNVTLTIRLLMHGKEVGSIIKKKGESVKKMREESGARINISEGNCPERITLAGPTNAIF KAFAMIIDKLEEDISSMTNSTAASRPPVTLRLVVPASQCGSLIGKGGCKIKEIRESTGAQVQVAGD MLPNSTERAITAGIPQSIIECVKQICVVMLESPPKGV TIPYRKPSSSPVIFAGGQDRYSTGSDSAS FPHTTPSMCLNPDLEGPPLEAYTIQGGQYAIPQPD LTKLHQLAMQQSHFPMTHGNTGFSGIESSSPE VKG YWAGLDASAQTTSHELTIPNDLIGCIIGRQGAKINEIRQMSG AQIKIANPVEGSTDRQVTITGSAA SISLAQYLINVRLSSETGGMGSS
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (100); Rat (99)
<b>Isotype</b>	IgG2b Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (65.56 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

PCBP2 monoclonal antibody (M06), clone 6B6. Western Blot analysis of PCBP2 expression in K-562 ( Cat # L009V1 ).

[Protocol Download](#)

- Western Blot (Recombinant protein)

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Detection limit for recombinant GST tagged PCBP2 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PCBP2 on HeLa cell . [antibody concentration 10 ug/ml]

## Gene Info — PCBP2

Entrez GeneID [5094](#)

GeneBank Accession# [BC001155](#)

Protein Accession# [AAH01155](#)

Gene Name PCBP2

Gene Alias HNRPE2, MGC110998, hnRNP-E2

Gene Description poly(rC) binding protein 2

Omim ID [601210](#)

Gene Ontology [Hyperlink](#)

### Gene Summary

The protein encoded by this gene appears to be multifunctional. Along with PCBP-1 and hnRNP-K, 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. [provided by RefSeq]

**Other Designations**

alpha-CP2|heterogenous nuclear ribonucleoprotein E2

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