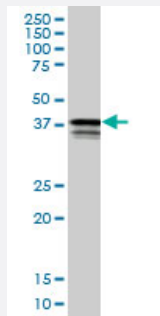


# PCBP2 monoclonal antibody (M02), clone 1B6

Catalog # H00005094-M02

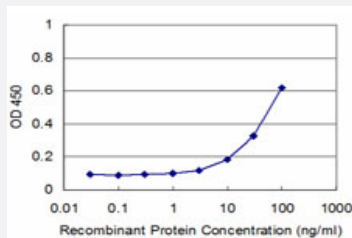
Size 100 ug

## Applications



### Western Blot (Cell lysate)

PCBP2 monoclonal antibody (M02), clone 1B6. 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.

## Specification

### Product Description

Mouse monoclonal antibody raised against a full-length recombinant PCBP2.

### Immunogen

PCBP2 (AAH01155, 1 a.a. ~ 362 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### Sequence

MDTGVIEGGLNVTLTIRLLMHGKEVGSIGKKGESVKKMREESGARINISEGNCPERITLAGPTNAIF  
KAFAMIIDKLEEDISSMTNSTAASRPPVTLRLVVPASQCGSLIGKGGCKIKEIRESTGAQVQVAGD  
MLPNSTERAITAGIPQSIIECVKQICVVMLESPPKGVTPYRKPSSSPVIFAGGQDRYSTGSDSAS  
FPHTTPSMCLNPDLEGPPLEAYTIQGQYAIQPDLTKLHQLAMQQSHFPMTHGNTGFSGIESSSPE  
VKGYWAGLDASAQTTSHELTIPNDLIGCIIGRQGAKINEIRQMSGAIKIANPVEGSTDRQVTITGSAA  
SISLAQYLINVRLSSETGGMGSS

### Host

Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (99)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

PCBP2 monoclonal antibody (M02), clone 1B6. Western Blot analysis of PCBP2 expression in K-562 ( Cat # L009V1 ).

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

## Gene Info — PCBP2

Entrez GeneID	<a href="#">5094</a>
GeneBank Accession#	<a href="#">BC001155</a>
Protein Accession#	<a href="#">AAH01155</a>
Gene Name	PCBP2
Gene Alias	HNRPE2, MGC110998, hnRNP-E2
Gene Description	poly(rC) binding protein 2
Omim ID	<a href="#">601210</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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