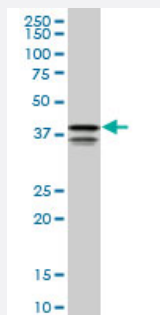


PCBP2 monoclonal antibody (M05), clone 1C7

Catalog # H00005094-M05

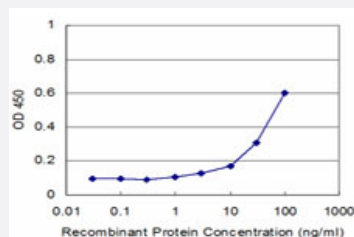
Size 100 ug

Applications



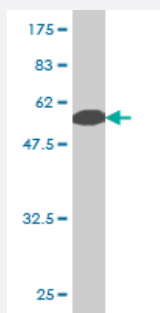
Western Blot (Cell lysate)

PCBP2 monoclonal antibody (M05), clone 1C7. 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.



Western Blot detection against Immunogen (65.56 KDa) .

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	MDTGVI EGGLNVLTIRLLMHGKEVGSIGKKGESVKKMREESGARINISEGNCPERITLAGPTNAIF KAFAMIIDKLEEDISSMTNSTAASRPPVTLRLVVPASQCGSLIGKGGCKIKEIRESTGAQVQVAGD MLPNSTERAITIAGIPQSIIIECVKQICVVMLESPPKGVTIPYRKPSSSPVIFAGGQDRYSTGSDSAS FPHTTPSMCLNPDLEGPPLEAYTIQGQYAIPQPDLTCLHQLAMQQSHFPMTHGNTGFSGIESSSPE VKGYWAGLDASAQTTSHELTIPNDLIGCIIGRQGAKINEIRQMSGAQIKIANPVEGSTDRQVTTIGSAA SISLAQYLINVRLSSETGGMGSS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (99)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (65.56 KDa) .
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 (M05), clone 1C7. Western Blot analysis of PCBP2 expression in K-562 (Cat # L009V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[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 [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 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 pseudo genes (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

Publication Reference

- [eIF4G2 balances its own mRNA translation via a PCBP2-based feedback loop.](#)

Smirnova VV, Shestakova ED, Bikmetov DV, Chugunova AA, Osterman IA, Serebryakova MV, Sergeeva OV, Zatsepin TS, Shatsky IN, Terenin IM.

RNA 2019 Jul; 25(7):757.

Application: WB-Tr, Human, Mouse, HEK 293T, Huh7, NIH/3T3 cells