

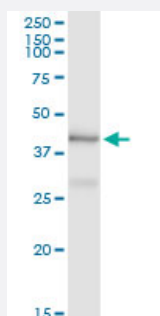
MaxPab®

PCBP2 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00005094-D01

Size 100 uL

Applications



Immunoprecipitation

Immunoprecipitation of PCBP2 transfected lysate using anti-PCBP2 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PCBP2 monoclonal antibody (M07), clone 5F12 ([H00005094-M07](#)).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PCBP2 protein.
Immunogen	PCBP2 (NP_005007.2, 1 a.a. ~ 366 a.a) full-length human protein.
Sequence	MDTGVEGGLNVTLTIRLLMHGKEVGSIGKKGESVKKMREESGARINISEGNCPERITLAGPTNAIF KAFAMIIDKLEEDISSSMTNSTAASRPPVTLRLVVPASQCGSLIGKGGCKIKEIRESTGAQVQVAGD MLPNSTERAITAGIPQSIIECVKQICVVMLETLSQSPPKGV TIPYRKPSSSPVIFAGGQDRYSTGSD SASFPHTTPSMCLNPDLEGPPLEAYTIQQQYAIQPDLTKLHQLAMQQSHFPMTHGNTGFSGISS SPEVKGYWAGLDASAQTTSHELTIPNDLIGCIIGRQGAKINEIRQMSGAIKIANPVEGSTDRQVTITG SAASISLAQYLINVRLSSETGGMGSS
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive

Storage Instruction

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

Applications

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[Protocol Download](#)

Gene Info — PCBP2

Entrez GeneID [5094](#)

GeneBank Accession# [NM_005016.3](#)

Protein Accession# [NP_005007.2](#)

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