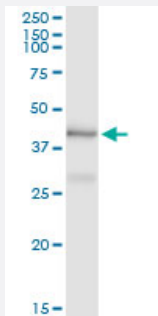


PCBP2 (Human) IP-WB Antibody Pair

Catalog # H00005094-PW1

Size 1 Set

Applications



Immunoprecipitation of PCBP2 transfected lysate using rabbit polyclonal anti-PCBP2 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse monoclonal anti-PCBP2.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98%); Rat (99%)
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of PCBP2 transfected lysate using rabbit polyclonal anti-PCBP2 and Protein A Magnetic Bead (U0007), and immunoblotted with mouse monoclonal anti-PCBP2.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-PCBP2 (300 ul) 2. Antibody pair for WB: mouse monoclonal anti-PCBP2 (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — PCBP2

Entrez GeneID [5094](#)

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