

DNAxPAb

Hard-to-Find
Antibody

PCBP1 DNAxPab

Catalog # H00005093-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human PCBP1 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MDAGVTESGLNVTLTIRLLMHGKEVGSIIIGKKGESVKRIREESGARINISEGNCPERIITLTGPTNAIFK
AFAMIIDKLEEDINSSMTNSTAASRPPVTLRLVVPATQCGSLIGKGGCKIKEIRESTGAQVQVAGDM
LPNSTERAITIAGVPQSVTECVKQICLVMLETLSQSPQGRVMTIPYQPM PASSPVICAGGQDRCS
AVGYPHATHDLEGPPLDAYSIIQQHTISPLDLAKLNQVARQQSHFAMMHGGTGFAIDSSSPEVK
GYWASLDASTQTTHELTIPNNLIGCIIGRQGANINEIRQMSGAIKIANPVEGSSGRQVTITGSAASISL
AQYLINARLSSEKGMGCS

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — PCBP1

Entrez GeneID [5093](#)

GeneBank Accession# [NM_006196.2](#)

Protein Accession# [NP_006187.1](#)

Gene Name PCBP1

Gene Alias HNRPE1, HNRPX, hnRNP-E1, hnRNP-X

Gene Description poly(rC) binding protein 1

Omim ID [601209](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This intronless gene is thought to have been generated by retrotransposition of a fully processed PCBP-2 mRNA. This gene and PCBP-2 have paralogues (PCBP3 and PCBP4) which are thought to have arisen as a result of duplication events of entire genes. The protein encoded by this gene appears to be multifunctional. It along with PCBP-2 and hnRNP-K corresponds to the major cellular poly(rC)-binding protein. It contains three K-homologous (KH) domains which may be involved in RNA binding. This encoded protein together with PCBP-2 also functions as translational coactivators of poliovirus RNA via a sequence-specific interaction with stem-loop IV of the IRES and promote 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. [provided by RefSeq]

Other Designations

alpha-CP1|heterogeneous nuclear ribonucleoprotein E1|heterogenous nuclear ribonucleoprotein E1|heterogenous nuclear ribonucleoprotein X|nucleic acid binding protein sub 2.3