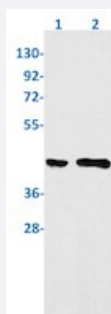


RecomAb™

PCBP2 recombinant monoclonal antibody, clone R01-2F5

Catalog # RAB02020 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: C6 and Lane 2: 3T3 lysates with PCBP2 recombinant monoclonal antibody, clone R01-2F5 (Cat # RAB02020).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PCBP2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PCBP2.
Theoretical MW (kDa)	Calculated MW: 39 kD
Reactivity	Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

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

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: C6 and Lane 2: 3T3 lysates with PCBP2 recombinant monoclonal antibody, clone R01-2F5 (Cat # RAB02020).

- Immunoprecipitation

Gene Info — PCBP2

Entrez GeneID[5094](#)**Protein Accession#**[Q15366](#)**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 KH-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