

Recombinant

DGRmAb®

## PCBP2 (DGR19745) Rabbit mAb

db12185

Package : 10µL 20µL 50µL 100µL

**Product Name :** PCBP2 (DGR19745) Rabbit mAb**Cat.No.:** db12185**Synonyms :** HNRPE2; HNRNPE2; hnRNP-E2**Application :** WB, ICC/IF, FC, IP**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**Background**

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 pseudogenes (PCBP2P1 and PCBP2P2). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic peptide of human PCBP2

**Gene ID**

5094

**Swiss Prot**

Q15366

**Synonyms**

HNRPE2; HNRNPE2; hnRNP-E2

**Reactivity**

Human,Mouse,Rat

**Application**

WB, ICC/IF, FC, IP

**Recommended dilution**

WB: 1:1000

ICC/IF: 1:200-1:500

FC: 1:100-1:200

IP: 1:50-1:100

Calculated MW	39 kDa
Observed MW	35-45 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR19745
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.
□	Western blot detection of PCBP2/hnRNP E2 in C6,3T3 cell lysates using PCBP2/hnRNP E2 antibody(1:1000 diluted).