

## Product datasheet for **TA308051**

### PCBP2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human, Mouse (Predicted: Rat, Pig, Bovine)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 193 of PCBP2 (Uniprot ID#Q15366)
Formulation:	0.1M Tris, 0.1M Glycine, 20% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	38 kDa
Gene Name:	poly(rC) binding protein 2
Database Link:	<a href="#">NP_005007</a> <a href="#">Entrez Gene 18521 Mouse</a> <a href="#">Entrez Gene 363005 Rat</a> <a href="#">Entrez Gene 5094 Human</a> <a href="#">Q15366</a>



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**Background:**

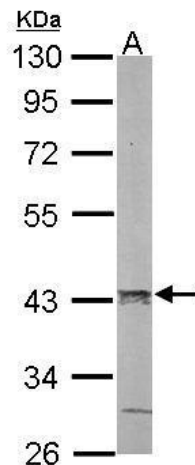
The protein encoded by this gene appears to be multifunctional. Along with PCBP-1 and hnRNPK, it is one of the major cellular poly(rC)-binding proteins. The encoded protein contains three K-homologous (KH) domains which may be involved in RNA binding. Together with PCBP-1, this protein also functions 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]

**Synonyms:**

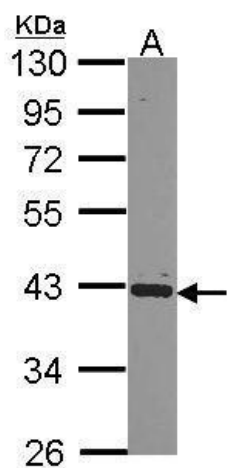
hnRNP-E2; HNRNPE2; HNRPE2

**Note:**

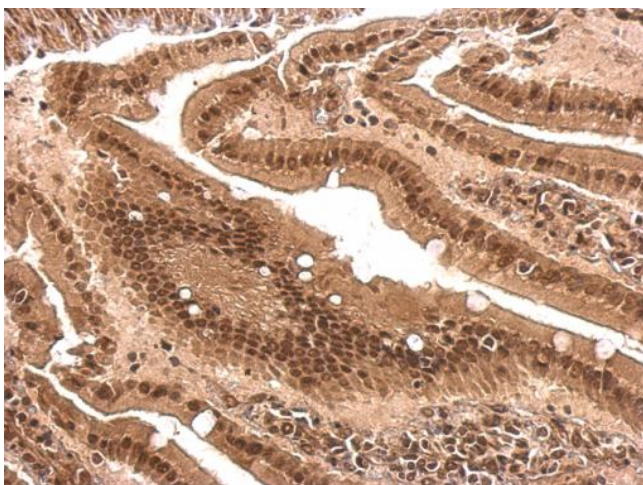
Seq homology of immunogen across species: Rat (100%), Pig (100%), Bovine (100%)

**Product images:**

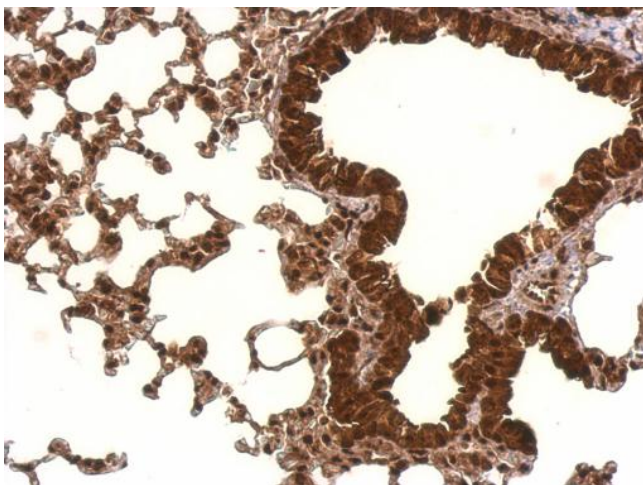
Sample (50 ug of whole cell lysate). A: mouse liver. 10% SDS PAGE. TA308051 diluted at 1:1000.



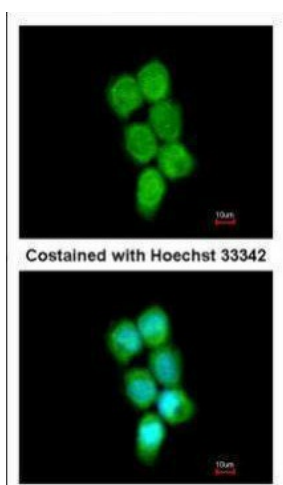
Sample (30 ug of whole cell lysate). A: Raji. 10% SDS PAGE. TA308051 diluted at 1:1000.



PCBP2 antibody [N1C1] detects PCBP2 protein at nucleus and cytosol on mouse intestine by immunohistochemical analysis. Sample: Paraffin-embedded mouse intestine. PCBP2 antibody [N1C1] (TA308051) dilution: 1:500.



PCBP2 antibody [N1C1] detects PCBP2 protein at nucleus and cytosol on mouse lung by immunohistochemical analysis. Sample: Paraffin-embedded mouse lung. PCBP2 antibody [N1C1] (TA308051) dilution: 1:500.



Immunofluorescence analysis of methanol-fixed A431, using PCBP2 (TA308051) antibody at 1:200 dilution.