

Rabbit PCBP2 Polyclonal Antibody | anti-PCBP2 antibody

PCBP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA169807	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

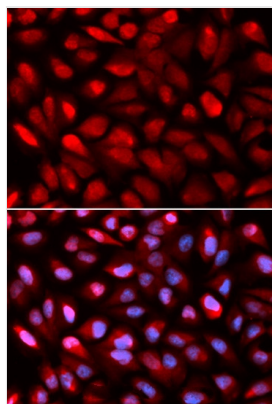
PRODUCT SYNONYMS

PCBP2; Polyclonal Antibody; PCBP2 Antibody; HNRPE2; MGC110998; hnRNP-E2; anti-PCBP2 antibody

PRODUCT SPECIFICATIONS

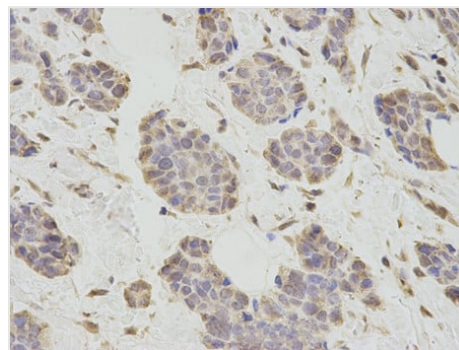
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	318
Applicable Applications for anti-PCBP2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human PCBP2
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-30725 / sc-16506 / sc-30723 / sc-30724
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



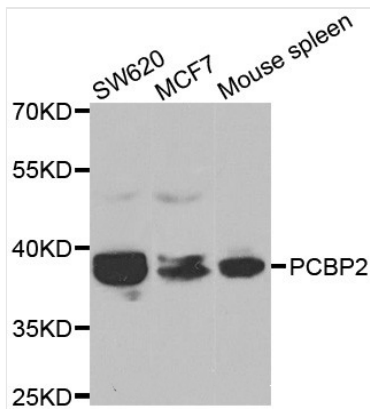
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using PCBP2 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using PCBP2 antibody at dilution of 1:200 (400x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using PCBP2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PCBP2 antibody	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]
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NCBI AND UNIPROT INFORMATION

NCBI GI #	193083114
NCBI GeneID	5094
NCBI Accession #	NP_001122386.1
NCBI GenBank Nucleotide #	NM_001128914.1
Molecular Weight	33,926 Da
NCBI Official Full Name	poly(rC)-binding protein 2 isoform g
NCBI Official Synonym Full Names	poly(rC) binding protein 2
NCBI Official Symbol	PCBP2
NCBI Official Synonym Symbols	HNRPE2; HNRNPE2; hnRNP-E2
NCBI Protein Information	poly(rC)-binding protein 2; poly(rC)-binding protein 2; alpha-CP2; heterogeneous nuclear ribonucleoprotein E2; heterogenous nuclear ribonucleoprotein E2; hnRNP E2
UniProt Protein Name	Poly(rC)-binding protein 2
UniProt Gene Name	PCBP2
UniProt Synonym Gene Names	hnRNP E2
UniProt Entry Name	PCBP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

