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PCBP1 (aa234-247) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF3384a

Specification

PCBP1 (aa234-247) Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	Q15365
Other Accession	CAA55016.1, 5093, 23983 (mouse), 500242 (rat)
Reactivity	**Human**
Predicted	**Mouse, Rat, Pig, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**37498**

PCBP1 (aa234-247) Antibody (internal region) - Additional Information

Gene ID 5093

Other Names
Poly(rC)-binding protein 1, Alpha-CP1, Heterogeneous nuclear ribonucleoprotein E1, hnRNP E1, Nucleic acid-binding protein SUB2.3, PCBP1

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PCBP1 (aa234-247) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

PCBP1 (aa234-247) Antibody (internal region) - Protein Information

Name PCBP1 {ECO:0000303|PubMed:7607214, ECO:0000312|HGNC:HGNC:8647}

Function
Single-stranded nucleic acid binding protein that binds preferentially to oligo dC (PubMed:7607214, PubMed:7556077, PubMed:8152927, PubMed:15731341). Together

with PCBP2, required for erythropoiesis, possibly by regulating mRNA splicing (By similarity).

Cellular Location
Nucleus. Cytoplasm. Note=Loosely bound in the nucleus (PubMed:7607214). May shuttle between the nucleus and the cytoplasm (PubMed:7607214).

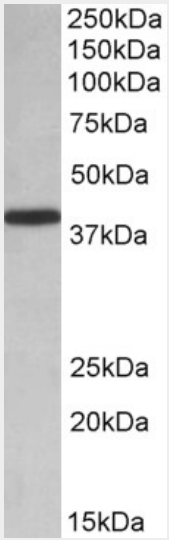
Tissue Location
Abundantly expressed in skeletal muscle, thymus and peripheral blood leukocytes while a lower expression is observed in prostate, spleen, testis, ovary, small intestine, heart, liver, adrenal and thyroid glands.

PCBP1 (aa234-247) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PCBP1 (aa234-247) Antibody (internal region) - Images



AF3384a (0.01 µg/ml) staining of HeLa lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

PCBP1 (aa234-247) Antibody (internal region) - References

Depletion of the poly(C)-binding proteins alphaCP1 and alphaCP2 from K562 cells leads to p53-independent induction of cyclin-dependent kinase inhibitor (CDKN1A) and G1 arrest. Waggoner SA, Johannes GJ, Liebhaber SA, The Journal of biological chemistry 2009 Apr 284 (14): 9039-49. PMID: 19211566