

### **BLCAP Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57103

### **Specification**

## **BLCAP Polyclonal Antibody - Product Information**

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>P62952</u>

Reactivity
Host
Clonality
Calculated MW
Physical State
Rat, Pig, Bovine
Rabbit
Polyclonal
10 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human BLCAP

Epitope Specificity 41-87/87 Isotype IqG

Isotype
Purity
affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Membrane.

SIMILARITY Belongs to the BLCAP family.

Important Note

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

## **Background Descriptions**

This gene encodes a tumor suppressor protein that reduces cell growth by stimulating apoptosis. The first intron of this gene contains the neuronatin gene, which is imprinted and only expressed from the paternal allele. This gene is imprinted in brain where it is differentially expressed from different promoters. Transcription from the upstream promoter occurs preferentially on the maternal allele, and transcripts are preferentially expressed from the downstream promoter on the paternal allele. Alternative promoters and alternative splicing result in multiple transcript variants that encode the same protein.[provided by RefSeq, Nov 2009]

## **BLCAP Polyclonal Antibody - Additional Information**

#### Gene ID 10904

### **Other Names**

Bladder cancer-associated protein, Bladder cancer 10 kDa protein, Bc10, BLCAP, BC10

## Target/Specificity

Expressed in cervical tissues. Down-regulated during bladder cancer progression and in most cervical carcinomas.

## **Dilution**

<span class ="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class</pre>



="dilution\_IHC-F">IHC-F~~N/A</span><br \> < span class = "dilution\_IF">IF~~1:50~200</span> < br \> < span class = "dilution\_ICC">ICC~~N/A</span> < br \> < span class = "dilution\_E">E~~N/A</span>

#### Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## **BLCAP Polyclonal Antibody - Protein Information**

Name BLCAP

Synonyms BC10

#### **Function**

Acts as a tumor suppressor; induces growth arrest at G(1)/S checkpoint and apoptosis via RB1-dependent and p53/TP53- and NF-kappa- B-independent mechanisms (PubMed:<a href="http://www.uniprot.org/citations/16675915" target="\_blank">16675915</a>, PubMed:<a href="http://www.uniprot.org/citations/17031575" target="\_blank">17031575</a>, PubMed:<a href="http://www.uniprot.org/citations/21844121" target="\_blank">21844121</a>, PubMed:<a href="http://www.uniprot.org/citations/26986503" target="\_blank">26986503</a>). Modulates expression of genes involved in the regulation of proliferation, cell cycle and apoptosis (PubMed:<a href="http://www.uniprot.org/citations/17031575" target="\_blank">17031575</a>, PubMed:<a href="http://www.uniprot.org/citations/21844121" target="\_blank">21844121</a>, PubMed:<a href="http://www.uniprot.org/citations/26986503" target="\_blank">26986503</a>).

#### **Cellular Location**

Cytoplasm. Nucleus. Membrane; Multi-pass membrane protein

## **Tissue Location**

Cervical tissues (at protein level) (PubMed:22969892). Urothelium (at protein level) (PubMed:19783793, PubMed:29190807). Endothelial cells of urinary bladder vessels (at protein level) (PubMed:19783793). Urinary bladder stromal cells (at protein level) (PubMed:19783793). Cervical tissues (PubMed:16675915) Kidney (PubMed:11072240). Ubiquitous (PubMed:19908260)

## **BLCAP Polyclonal Antibody - 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

# **BLCAP Polyclonal Antibody - Images**