

**TCHP Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9354c****Specification**

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**TCHP Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9BT92](#)**TCHP Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 84260**Other Names**

Trichoplein keratin filament-binding protein, Protein TCHP, Mitochondrial protein with oncostatic activity, Mitostatin, Tumor suppressor protein, TCHP {ECO:0000312|EMBL:AAH042851}

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TCHP Antibody (Center) Blocking Peptide - Protein Information****Name** TCHP {ECO:0000312|EMBL:AAH04285.1}**Function**

Tumor suppressor which has the ability to inhibit cell growth and be pro-apoptotic during cell stress. Inhibits cell growth in bladder and prostate cancer cells by a down-regulation of HSPB1 by inhibiting its phosphorylation. May act as a 'capping' or 'branching' protein for keratin filaments in the cell periphery. May regulate K8/K18 filament and desmosome organization mainly at the apical or peripheral regions of simple epithelial cells (PubMed:&lt;a href="http://www.uniprot.org/citations/15731013" target="\_blank"&gt;15731013&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/18931701" target="\_blank"&gt;18931701&lt;/a&gt;). Is a negative regulator of ciliogenesis (PubMed:&lt;a href="http://www.uniprot.org/citations/25270598" target="\_blank"&gt;25270598&lt;/a&gt;).

**Cellular Location**

Cytoplasm, cytoskeleton. Cytoplasm Cell membrane. Mitochondrion. Cell junction, desmosome

**Tissue Location**

Expressed at high levels in normal urothelial and breast epithelial cells. Also expressed in the smooth muscle and endothelial cells. Reduced expression seen in advanced bladder and breast carcinomas (at protein level). Ubiquitous. Expressed at highest levels in the heart, skeletal muscle,

kidney, liver and testis

### **TCHP Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **TCHP Antibody (Center) Blocking Peptide - Images**

### **TCHP Antibody (Center) Blocking Peptide - Background**

TCHP may act as a 'capping' or 'branching' protein for keratin filaments in the cell periphery. This protein may regulate K8/K18 filament and desmosome organization mainly at the apical or peripheral regions of simple epithelial cells.

### **TCHP Antibody (Center) Blocking Peptide - References**

Vecchione,A. Oncogene 28 (2), 257-269 (2009) Tokumasu,F. J. Cell. Sci. 118 (PT 5), 1091-1098 (2005) Nishizawa,M. J. Cell. Sci. 118 (PT 5), 1081-1090 (2005)