

**TESC Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP5136b****Specification**

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**TESC Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q96BS2](#)**TESC Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 54997**Other Names**

Calcineurin B homologous protein 3, Tescalcin, TSC, TESC, CHP3

**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.

**TESC Antibody (C-term) Blocking Peptide - Protein Information****Name** TESC**Synonyms** CHP3**Function**

Functions as an integral cofactor in cell pH regulation by controlling plasma membrane-type Na(+)/H(+) exchange activity. Promotes the maturation, transport, cell surface stability and exchange activity of SLC9A1/NHE1 at the plasma membrane. Promotes the induction of hematopoietic stem cell differentiation toward megakaryocytic lineage. Essential for the coupling of ERK cascade activation with the expression of ETS family genes in megakaryocytic differentiation. Also involved in granulocytic differentiation in a ERK-dependent manner. Inhibits the phosphatase activity of calcineurin.

**Cellular Location**

Nucleus. Cytoplasm. Membrane; Lipid-anchor. Cell membrane. Cell projection, lamellipodium. Cell projection, ruffle membrane {ECO:0000250|UniProtKB:Q9JKL5} Note=Colocalizes with SLC9A1 at the plasma membrane

**Tissue Location**

Expressed in mature megakaryocytes and polymorphonuclear granulocytes (at protein level). Abundantly expressed in heart. Also expressed at a lower level in adult testis and salivary gland,

and in the placenta.

### **TESC Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **TESC Antibody (C-term) Blocking Peptide - Images**

### **TESC Antibody (C-term) Blocking Peptide - Background**

Essential for the coupling of ERK cascade activation with the expression of ETS family genes in megakaryocytic differentiation.

### **TESC Antibody (C-term) Blocking Peptide - References**

Bao, Y., et al. Gene Expr. Patterns 9(5):273-281(2009) Zaun, H.C., et al. J. Biol. Chem. 283(18):12456-12467(2008) Levay, K., et al. J. Clin. Invest. 117(9):2672-2683(2007)