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TESC Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5136b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q96BS2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25637
Calculated MW	24750
Antigen Region	88-116

Additional Information

Gene ID	54997
Other Names	Calcineurin B homologous protein 3, Tescalcin, TSC, TESC, CHP3
Target/Specificity	This TESC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 88-116 amino acids from the C-terminal region of human TESC.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TESC Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

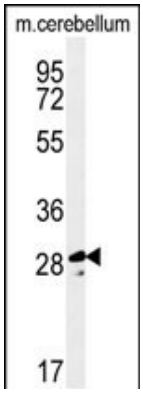
Background

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

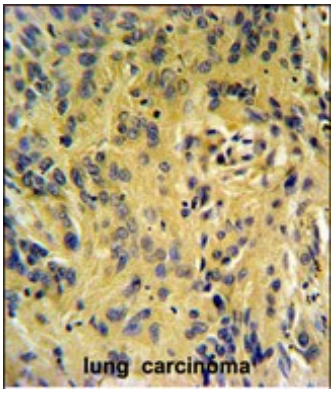
References

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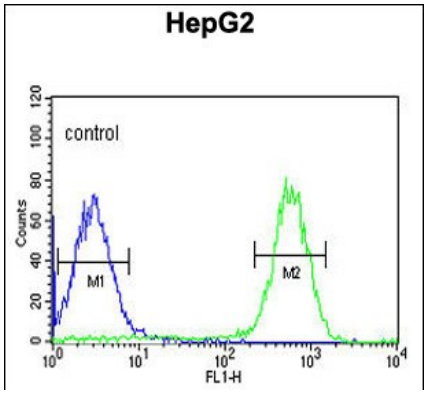
Images



Western blot analysis of TESC Antibody (C-term) (Cat. #AP5136b) in mouse cerebellum tissue lysates (35ug/lane).TESC (arrow) was detected using the purified Pab.



TESC Antibody (C-term) (Cat. #AP5136b) IHC analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TESC Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



TESC Antibody (C-term) (Cat. #AP5136b) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.