


### Anti-Twist antibody ab50581

★★★★★ [14 Abreviews](#) [152 References](#) [2 图像](#)

#### 概述

产品名称	Anti-Twist抗体
描述	兔多克隆抗体to Twist
宿主	Rabbit
经测试应用	适用于: ICC/IF
种属反应性	与反应: Human 预测可用于: Mouse, Chicken, Chimpanzee 
免疫原	Synthetic peptide: PADDSLNSSEEPDRQ conjugated to KLH by a C-terminal Cysteine residue linker, corresponding to amino acids 12-27 of Human Twist

 [Run BLAST with](#)

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#### 常规说明

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

## 应用

### The Abpromise guarantee

**Abpromise™**承诺保证使用ab50581于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (3)	Use a concentration of 1 - 2 µg/ml.

## 靶标

### 功能

Acts as a transcriptional regulator. Inhibits myogenesis by sequestering E proteins, inhibiting trans-activation by MEF2, and inhibiting DNA-binding by MYOD1 through physical interaction. This interaction probably involves the basic domains of both proteins. Also represses expression of proinflammatory cytokines such as TNFA and IL1B. Regulates cranial suture patterning and fusion. Activates transcription as a heterodimer with E proteins. Regulates gene expression differentially, depending on dimer composition. Homodimers induce expression of FGFR2 and POSTN while heterodimers repress FGFR2 and POSTN expression and induce THBS1 expression. Heterodimerization is also required for osteoblast differentiation.

### 组织特异性

Subset of mesodermal cells.

### 疾病相关

Defects in TWIST1 are a cause of Saethre-Chotzen syndrome (SCS) [MIM:101400]; also known as acrocephalosyndactyly type 3 (ACS3). SCS is a craniosynostosis syndrome characterized by coronal synostosis, brachycephaly, low frontal hairline, facial asymmetry, hypertelorism, broad halluces, and clinodactyly.

Defects in TWIST1 are the cause of Robinow-Sorauf syndrome (RSS) [MIM:180750]; also known as craniosynostosis-bifid hallux syndrome. RSS is an autosomal dominant defect characterized by minor skull and limb anomalies which is very similar to Saethre-Chotzen syndrome.

Defects in TWIST1 are the cause of craniosynostosis type 1 (CRS1) [MIM:123100].

Craniosynostosis consists of premature fusion of one or more cranial sutures, resulting in an abnormal head shape.

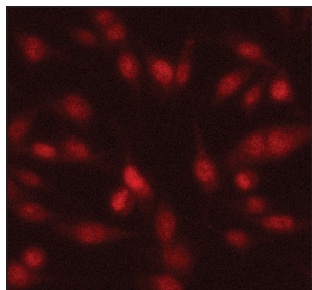
### 序列相似性

Contains 1 basic helix-loop-helix (bHLH) domain.

### 细胞定位

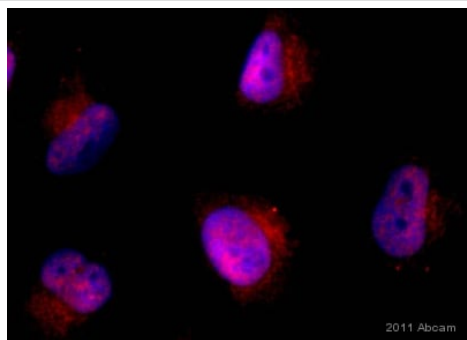
Nucleus.

## 图片



Human melanoma Mel15 cells were fixed and permeabilized with 4% paraformaldehyde followed by 0.1% Triton X-100. Fixed cells were stained with 2 µg/ml ab50581. The antibody was developed with Goat Anti-Rabbit IgG, Cy3 conjugate.

Immunocytochemistry/ Immunofluorescence - Anti-Twist antibody (ab50581)



Immunocytochemistry/ Immunofluorescence - Anti-Twist antibody (ab50581)  
Image courtesy of an anonymous Abreview.

ab50581 staining Twist in human glioblastoma cells by Immunocytochemistry/ Immunofluorescence. The cells were fixed in paraformaldehyde, permeabilised in 0.1% Triton X-100 and then blocked using 0.5% BSA for 20 minutes. Samples were then incubated with primary antibody at 1/50 for 16 hours at 4°C. The secondary antibody used was a goat anti-rabbit IgG conjugated to Cy3® used at a 1/400 dilution.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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