# TWIST1 Rabbit mAb

Catalog No.: A23782 Recombinant



## **Basic Information**

#### **Observed MW**

### **Calculated MW**

20kDa

### **Category**

SMab Recombinant Monoclonal Antibody

### **Applications**

IHC-P,IF/ICC,ELISA

### **Cross-Reactivity**

Mouse,Rat

#### CloneNo number

ARC60802

# **Background**

This gene encodes a basic helix-loop-helix (bHLH) transcription factor that plays an important role in embryonic development. The encoded protein forms both homodimers and heterodimers that bind to DNA E box sequences and regulate the transcription of genes involved in cranial suture closure during skull development. This protein may also regulate neural tube closure, limb development and brown fat metabolism. This gene is hypermethylated and overexpressed in multiple human cancers, and the encoded protein promotes tumor cell invasion and metastasis, as well as metastatic recurrence. Mutations in this gene cause Saethre-Chotzen syndrome in human patients, which is characterized by craniosynostosis, ptosis and hypertelorism.

## **Recommended Dilutions**

IHC-P 1:1000 - 1:5000

**IF/ICC** 1:50 - 1:200

**ELISA** Recommended starting

concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

# Contact

www.abclonal.com

# **Immunogen Information**

**Gene ID**7291
Swiss Prot
Q15672

### **Immunogen**

A synthesized peptide derived from human TWIST1.

#### **Synonyms**

TWIST1; ACS3; BPES2; BPES3; CRS; CRS1; CSO; SCS; TWIST; bHLHa38; twist-related protein 1

## **Product Information**

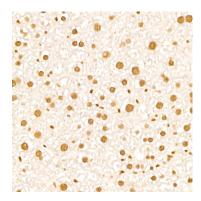
SourceIsotypePurificationRabbitIgGAffinity purification

## Storage

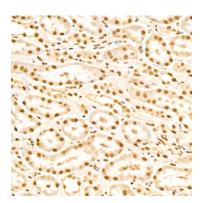
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

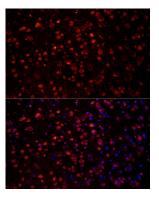
## **Validation Data**



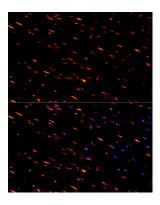
Immunohistochemistry analysis of paraffin-embedded Mouse liver using TWIST1 Rabbit mAb (A23782) at dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using TWIST1 Rabbit mAb (A23782) at dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.Immunofluorescence analysis of paraffin-embedded mouse brain using TWIST1 Rabbit mAb (A23782) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.Immunofluorescence analysis of paraffin-embedded rat heart using TWIST1 Rabbit mAb (A23782) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.