

Datasheet for ABIN7138095

**anti-TWIST1 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	TWIST1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TWIST1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Peptide sequence around aa.18~22(S-N-S-E-E) derived from Human Twist1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

## Target Details

Target:	TWIST1
Alternative Name:	TWIST1 ( <a href="#">TWIST1 Products</a> )
Background:	Background: Acts as a transcriptional regulator. Inhibits myogenesis by sequestering E proteins, inhibiting trans-activation by MYOD1, and inhibiting DNA-binding by MYOD1 through physical interaction.

## Target Details

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.

"Twist regulates cytokine gene expression through a negative feedback loop that represses NF-kappaB activity." Sosic D., Richardson J.A., Yu K., Ornitz D.M., Olson E.N. Cell 112:169-180(2003)

"Mutations of the TWIST gene in the Saethre-Chotzen syndrome." el Ghouzzi V., le Merrer M., Perrin-Schmitt F., et al., Nat. Genet. 15:42-46(1997)

Aliases: ACS3 antibody; B-HLH DNA binding protein antibody; bHLHa38 antibody; BPES2 antibody; BPES3 antibody; Class A basic helix-loop-helix protein 38 antibody; CRS antibody; CRS1 antibody; CSO antibody; H-twist antibody; OTTHUMP00000116043 antibody; SCS antibody; Twist basic helix loop helix transcription factor 1 antibody; Twist family bHLH transcription factor 1 antibody; Twist homolog 1 (Drosophila) antibody; Twist homolog 1 antibody; TWIST homolog of drosophila antibody; Twist related protein 1 antibody; Twist-related protein 1 antibody; TWIST1 antibody; TWIST1\_HUMAN antibody

UniProt: [Q15672](#)

Pathways: [p53 Signaling](#), [Proton Transport](#), [Tube Formation](#), [Negative Regulation of Transporter Activity](#)

## Application Details

Application Notes: WB:1:500-1:1000, IHC:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

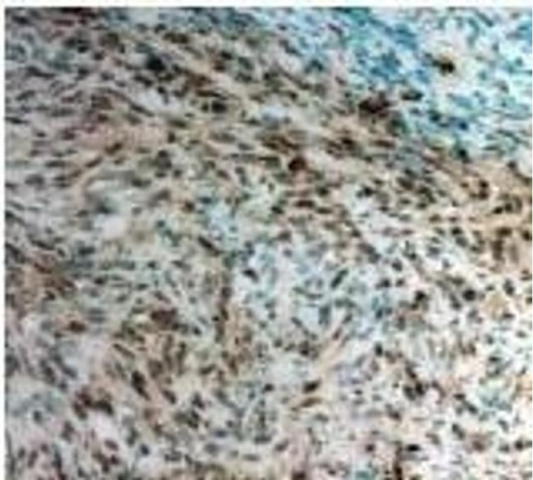
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Handling

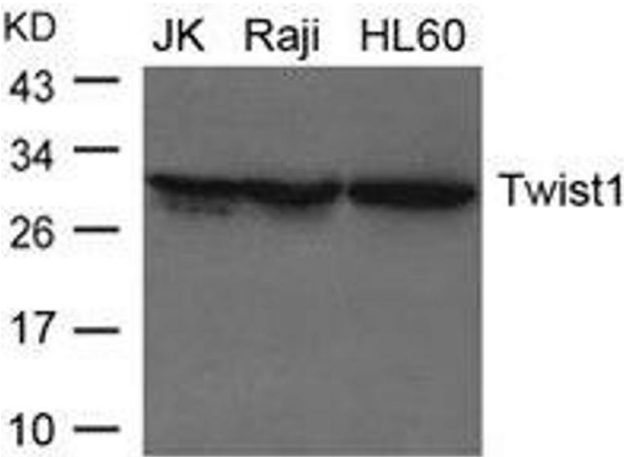
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



**Immunohistochemistry**

**Image 1.** Twist1 Antibody staining Twist in Mouse pancreatic cancer tissue sections by Immunohistochemistry



**Western Blotting**

**Image 2.** Western blot analysis of extracts from JK, Raji and HL-60 cells using Twist1 Antibody.