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Datasheet for ABIN1098133

## anti-TWIST1 antibody (AA 9-74)

2 Images

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### Overview

Quantity:	0.1 mg
Target:	TWIST1
Binding Specificity:	AA 9-74
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	Purified recombinant fragment of human TWIST1 (AA: 9-74) expressed in E. coli.
Clone:	2F8E7
Isotype:	IgG2b
Purification:	purified

### Target Details

Target:	TWIST1
Alternative Name:	TWIST1 ( <a href="#">TWIST1 Products</a> )
Background:	Description: Basic helix-loop-helix (bHLH) transcription factors have been implicated in cell lineage determination and differentiation. The protein encoded by this gene is a bHLH transcription factor and shares similarity with another bHLH transcription factor, Dermo1. The strongest expression of this mRNA is in placental tissue, in adults, mesodermally derived

## Target Details

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tissues express this mRNA preferentially. Mutations in this gene have been found in patients with Saethre-Chotzen syndrome. . . .

Aliases: SCS, ACS3, CRS1, BPES2, BPES3, TWIST, bHLHa38

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Molecular Weight: 21 kDa

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Gene ID: 7291

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HGNC: 7291

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

## Application Details

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Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Purified antibody in PBS with 0.05 % sodium azide

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Preservative: Sodium azide

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

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Storage: 4 °C/-20 °C

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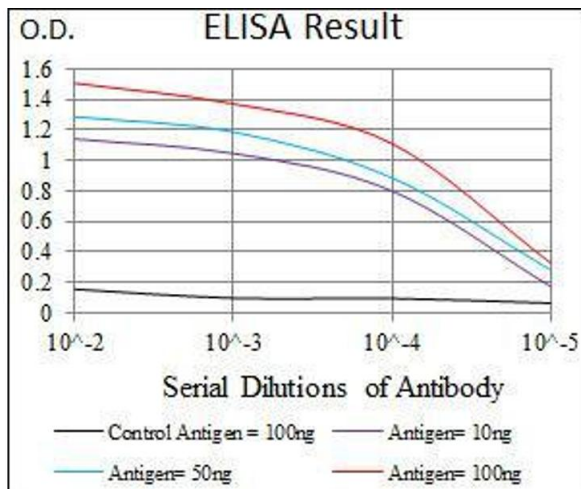
Storage Comment: 4°C, -20°C for long term storage

## Publications

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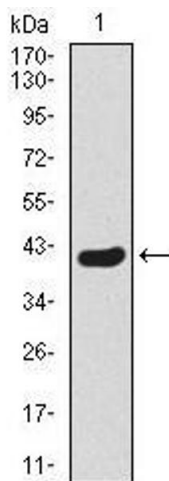
Product cited in: Chu, Lin, Hendel, Kulpa, Brownsey, Johnson: "ATP-citrate lyase reduction mediates palmitate-induced apoptosis in pancreatic beta cells." in: **The Journal of biological chemistry**, Vol. 285, Issue 42, pp. 32606-15, (2010) ([PubMed](#)).

Beckner, Fellows-Mayle, Zhang, Agostino, Kant, Day, Pollack: "Identification of ATP citrate lyase as a positive regulator of glycolytic function in glioblastomas." in: **International journal of cancer. Journal international du cancer**, Vol. 126, Issue 10, pp. 2282-95, (2010) ([PubMed](#)).



### ELISA

**Image 1.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



### Western Blotting

**Image 2.** Western blot analysis using TWIST1 mAb against human TWIST1 recombinant protein. (Expected MW is 40 kDa)