

Datasheet for ABIN7173946

anti-TWIST1 antibody (AA 1-80) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TWIST1
Binding Specificity:	AA 1-80
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TWIST1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Twist-related protein 1 protein (1-80AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	TWIST1
Alternative Name:	TWIST1 (TWIST1 Products)
Background:	Background: Acts as a transcriptional regulator. Inhibits myogenesis by sequestering E proteins, inhibiting trans-activation by MEF2, and inhibiting DNA-binding by MYOD1 through

Target Details

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. Represses the activity of the circadian transcriptional activator: NPAS2-ARNTL/BMAL1 heterodimer (By similarity).

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, TWST1_HUMAN antibody

UniProt:	Q15672
Pathways:	p53 Signaling , Proton Transport , Tube Formation , Negative Regulation of Transporter Activity

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.