

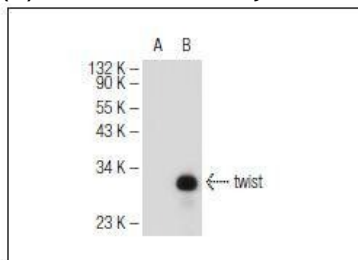
Anti-Twist Antibody (5E952)

Product Details

Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 28 kDa.
Clone:	5E952
Purification:	ProA affinity purified

Applications

Verified Activity: 1. Western blot analysis of twist expression in non-transfected (A) and human twist transfected (B) 293T whole cell lysates.



Application:	FCM,IF,IP,WB
Recommended	WB: 1:100-1000; IP: 1-2 µg per 100-500 µg of total protein(1 ml of cell lysate); FCM: 1 µg per 1 x 10 ⁶ cells

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: a region near the C-terminus of twist of human origin
Antigen Species:	human
Uniprot ID:	Q15672
Synonyms:	Twist-related protein 1;TWST1;TWIST homolog of drosophila;Twist1;Twist homolog 1;Class A basic helix-loop-helix protein 38;BPES2;H-twist;BPES3;CRS1;ACS3;SCS;Twist homolog 1 (Drosophila);Twist basic helix loop helix transcription factor 1;bHLHa38;B-HLH DNA binding protein;OTTHUMP00000116043

Research Background

Members of the myogenic determination family are basic helix-loop-helix (bHLH) proteins that can be separated into two classes. Class A proteins include the ubiquitously expressed E-box binding factors E12/E47, ITF2 and HEB (BETA1 or HTF4). Class B proteins such as MyoD, myogenin and NeuroD (BETA2) are transiently expressed and exhibit a much more limited tissue distribution. Class A proteins heterodimerize with class B proteins to activate DNA transcription. Working in opposition to these positively acting factors are a specialized group of proteins that

function as dominant negative regulators. Muscle tissue is derived from a subset of cells originating from the embryonic mesoderm. The novel basic helix-loop-helix (bHLH) transcription factor twist is a putative regulator of mesodermal differentiation and myogenesis. Twist is expressed throughout the epithelial somite but not in the myotome. Twist requires dimerization with the E proteins and inhibits myogenic regulatory factors. It has been implicated as regulator of the temporal and spatial formation of myotomes.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481