

TWIST2 Polyclonal Antibody

Catalog number: 11752-1-AP

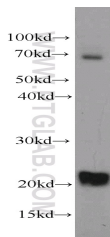
Size: 64 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

TWIST2; BHLHa39, Dermis expressed protein 1, Dermo 1, DERMO1, twist homolog 2 (Drosophila), Twist related protein 2, TWIST2



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 11752-1-AP (TWIST2 antibody) at dilution of 1:500

Background

TWIST2, also named as BHLHA39 and DERMO1, is a basic helix-loop-helix protein which acts as a transcriptional regulator, plays a central role in differentiation of mesodermal during embryogenesis. TWIST2 inhibits the premature or ectopic differentiation of preosteoblast cells during osteogenesis, possibly by changing the internal signal transduction response of osteoblasts to external growth factors. It is also implicated in tumorigenesis, invasion and metastasis. TWIST2 forms both homodimers (45KD) and heterodimers with E2A E proteins, and dimer partner selection is a critical mediator of TWIST function. (PMID:14724576, 16502419). The protein sequence of TWIST1 and TWIST2 is very similar. This antibody can recognize both TWIST1 (~28kd), TWIST2 (22kd) and the Dimer form (45-60kd).

Applications

Tested applications:	ELISA, WB
Species specificity:	Human, Mouse; other species not tested.
Calculated TWIST2 MW:	160aa, 18 kDa
Observed TWIST2 MW:	21kDa, 60 kDa
Positive WB detected in	NIH/3T3 cells, MCF7 cells, mouse liver tissue
Recommended dilution:	WB: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2348
GenBank accession number:	BC033168
Gene ID (NCBI):	117581
Full name:	Twist homolog 2 (Drosophila)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.