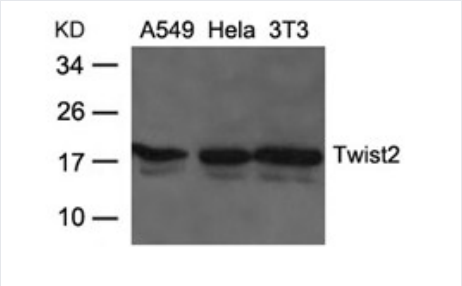
TWIST2 Antibody

PRODUCT OVERVIEW

Product Name	Twist2, Antibody
Full Product Name	Twist2 Antibody
Product Gene Name	anti-Twist2 antibody
Product Synonym Names	DERMO1; MGC117334; bHLHa39
Species Reactivity	Human, Mouse, Rat
Form/Format	In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Specificity	The antibody detects endogenous level of total Twist2 protein.
Preparation and Storage	Store at-20 degree C for 1 year
Molecular Weight	18kd
OMIM	200110
3D Structure	ModBase 3D Structure for Q8WVJ9
Immunogen	Peptide sequence around aa.26~30(P-K-R-F-G) derived from Human Twist2.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-Twist2 antibody	Western Blot (WB)
Application Notes for anti-Twist2 antibody	WB: 1:500-1:1000
Related Product Information for anti-Twist2 antibody	Binds to the E-box consensus sequence 5'-CANNTG-3' as a heterodimer and inhibits transcriptional activation by MYOD1, MYOG, MEF2A and MEF2C. Also represses expression of proinflammatory cytokines such as TNFA and IL1B. Involved in postnatal glycogen storage and energy metabolism. 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.
Other Notes	Small volumes of anti-Twist2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Twist2 purchase	MBS8511717 is an antibody targeting Twist2. Also known as Twist2 Antibody. Reactive in Human, Mouse, Rat.



Western Blot (WB) of anti-Twist2 antibody
Western blot analysis of extracts from A549, Hela and 3T3 cells using Twist2 Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Twist2. It may not necessarily be applicable to this product.

NCBI GI #	429325228
NCBI GeneID	117581
NCBI Accession #	NP_001258822.1
UniProt Primary Accession #	Q8WVJ9
UniProt Secondary Accession #	Q3SYL6
UniProt Related Accession #	Q8WVJ9
GenBank Nucleotide #	NM_001271893.3
NCBI Official Full Name	twist-related protein 2
NCBI Official Synonym Full Names	twist family bHLH transcription factor 2
NCBI Official Symbol	TWIST2
NCBI Official Synonym Symbols	AMS; FFDD3; BBRSAY; DERMO1; SETLSS; bHLHa39
UniProt Protein Name	Twist-related protein 2
UniProt Synonym Protein Names	Class A basic helix-loop-helix protein 39; bHLHa39; Dermis-expressed protein 1; Dermo-1
Protein Family	Twist-related protein
UniProt Gene Name	TWIST2
UniProt Synonym Gene Names	BHLHA39; DERMO1; bHLHa39; Dermo-1
NCBI Protein Information	twist-related protein 2
NCBI Summary for Twist2	The protein encoded by this gene is a basic helix-loop-helix type transcription factor and shares similarity with Twist. This protein may inhibit osteoblast maturation and maintain cells in a preosteoblast phenotype during osteoblast development. This gene may be upregulated in certain cancers. Mutations in this gene cause focal facial dermal dysplasia 3, Setleis type. Two transcript variants encoding the same protein have been found. [provided by RefSeq, Apr 2014]
UniProt Comments for Twist2	Binds to the E-box consensus sequence 5'-CANNTG-3' as a heterodimer and inhibits transcriptional activation by MYOD1, MYOG, MEF2A and MEF2C. Also represses expression of proinflammatory cytokines such as TNFA and IL1B. Involved in postnatal glycogen storage and energy metabolism (). 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.
Research Articles on Twist2	**1.** epithelial membrane protein 3 is a downstream effector of TWIST1/2 in inducing epithelial-to-mesenchymal transition in gastric cancer. Epithelial membrane protein 3 upregulation might be associated with gastric cancer metastasis and is a potential indicator of unfavorable overall survival and progression-free survival in gastric cancer patients
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