

Mouse anti-Human TWIST Antibody | anti-TWIST antibody

AbFlex TWIST antibody (rAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60294	Mouse	Human	Western Blot, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

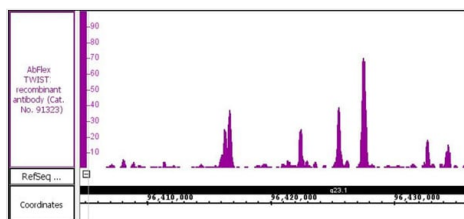
PRODUCT SYNONYMS

TWIST; AbFlex TWIST antibody (rAb); CRS; SCS; ACS3; CRS1; BPES2; BPES3; TWIST1; bHLHa38; anti-TWIST antibody

PRODUCT SPECIFICATIONS

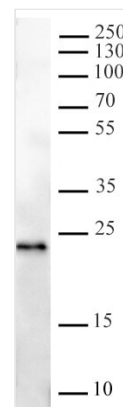
Host	Mouse
Reactivity	Human
Isotype	IgG2a
Purity/Purification	Protein A Chromatography
Form/Format	140mM Hepes, pH7.5, 70mM NaCl, 32mM NaOAc, 0.035% sodium azide, and 30% glycerol. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-TWIST antibody	WB (Western Blot), ChIP (Chromatin immunoprecipitation), ChIP (Chromatin immunoprecipitation)
Antibody Type	Recombinant Antibody
Immunogen	This antibody was raised against a recombinant protein corresponding to full length mouse TWIST1 (twist homolog 1 (Drosophila)).
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



ChIP (Chromatin Immunoprecipitation)

AbFlex TWIST Antibody (rAb) tested by ChIP-Seq. ChIP was performed using the ChIP-IT High Sensitivity Kit with 30 ug of chromatin from human brain tissue and 4 ug of antibody. ChIP DNA was sequenced on the Illumina HiSeq and sequence tags were mapped to identify TWIST binding sites across a region of chromosome 12.



SDS-PAGE

AbFlex TWIST Antibody (rAb) tested by Western blot 50 ug of SH-SY5Y nuclear extract extract was run on SDS-PAGE and probed with antibody at 2 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-TWIST antibody	Short Description: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. Our AbFlex TWIST antibody (rAb) was raised in a Mouse host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq and Western blot; it has been shown to react with Human samples. Background: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. AbFlex TWIST antibody was expressed in was expressed as full-length IgG with mouse immunoglobulin heavy and light chains (IgG2a isotype) in mammalian 293 cells. TWIST is a regulator of transcription that serves as a master regulator of embryonic morphogenesis. Through its bHLH motif it interacts with many different transcription factors to affect multiple pathways of gene expression. TWIST plays a pivotal role in mesodermal, myoblast, and osteoblast differentiation. TWIST is involved in the epithelial-mesenchymal transition (EMT), a period during embryonic development characterized by loss of cell adhesion and increased cell mobility, essential events for mesoderm and neural tube formation. The EMT shares many features of metastatic cancer, and elevated levels of TWIST are observed in many types of cancer. Mutations in the gene encoding TWIST have been associated with Saethre-Chotzen syndrome, an inherited developmental disorder characterized by skull deformations, limb abnormalities, and facial dysmorphism.
Product Categories/Family for anti-TWIST antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507741
NCBI GeneID	7291
NCBI Accession #	NP_000465
NCBI GenBank Nucleotide #	NM_000474
UniProt Accession #	Q15672
Molecular Weight	22kDa
NCBI Official Full Name	twist-related protein 1
NCBI Official Synonym Full Names	twist family bHLH transcription factor 1
NCBI Official Symbol	TWIST1
NCBI Official Synonym Symbols	CRS; CSO; SCS; ACS3; CRS1; BPES2; BPES3; SWCOS; TWIST; bHLHa38
NCBI Protein Information	twist-related protein 1
UniProt Protein Name	Twist-related protein 1
UniProt Gene Name	TWIST1
UniProt Synonym Gene Names	BHLHA38; TWIST; bHLHa38
UniProt Entry Name	TWIST1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.