

TWIST1 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant TWIST1.

Catalog # AT4411a

Specification

TWIST1 Antibody (monoclonal) (M06) - Product Information

Application	E
Primary Accession	Q15672
Other Accession	NM_000474
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	20954

TWIST1 Antibody (monoclonal) (M06) - Additional Information

Gene ID 7291

Other Names

Twist-related protein 1, Class A basic helix-loop-helix protein 38, bHLHa38, H-twist, TWIST1, BHLHA38, TWIST

Target/Specificity

TWIST1 (NP_000465, 100 a.a. ~ 202 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

TWIST1 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

TWIST1 Antibody (monoclonal) (M06) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

TWIST1 Antibody (monoclonal) (M06) - Images

TWIST1 Antibody (monoclonal) (M06) - Background

Basic helix-loop-helix (bHLH) transcription factors have been implicated in cell lineage determination and differentiation. The protein encoded by this gene is a bHLH transcription factor and shares similarity with another bHLH transcription factor, Dermo1. The strongest expression of this mRNA is in placental tissue; in adults, mesodermally derived tissues express this mRNA preferentially. Mutations in this gene have been found in patients with Saethre-Chotzen syndrome.

TWIST1 Antibody (monoclonal) (M06) - References

Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891. Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID 20628624. Quantitative assessment of DNA methylation for the detection of cervical neoplasia in liquid-based cytology specimens. Kim JH, et al. Virchows Arch, 2010 Jul. PMID 20496080. PKB/AKT phosphorylation of the transcription factor Twist-1 at Ser42 inhibits p53 activity in response to DNA damage. Vichalkovski A, et al. Oncogene, 2010 Jun 17. PMID 20400976. TWISTing stemness, inflammation and proliferation of epithelial ovarian cancer cells through MIR199A2/214. Yin G, et al. Oncogene, 2010 Jun 17. PMID 20400975.