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TWIST1 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant TWIST1.
Catalog # AT4411a

Product Information

Application	E
Primary Accession	Q15672
Other Accession	NM_000474
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	1G2
Calculated MW	20954

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.
Dilution	E~~N/A
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.

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.

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.